Off-Site Investigation Report
Former Manufactured Gas Plant
Champaign, Illinois
State ID 0190100008

August 22, 2008

Prepared for:

ST. LOUIS, MISSOURI

Columbia, Illinois

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AMEREN SERVICES
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PSC Project 62403053

Executive Summary

AmerenIP is submitting this Site Investigation Report (SIR) to present an evaluation of the soil and groundwater impact for the surrounding off-site properties adjacent to the former manufactured gas plant (MGP) facility in Champaign, Illinois. The SIR has been prepared in accordance with the Illinois Environmental Protection Agency's (IEPA) Site Remediation Program (SRP) to meet the requirements of Illinois Administrative Code (IAC) Section 740.425.

This SIR is being submitted as a supplement to the *Comprehensive Site Investigation Report, Former Manufactured Gas Plant, Champaign Illinois, LPC 0190100008* dated December 2007 (CSIR) with the intent to obtain a Comprehensive No Further Remediation (NFR) letter for the remediation site located at 308 N. 5th Street, Champaign Illinois and the adjacent properties. Findings of previous investigations indicated the presence of soil and groundwater impact exceeding IEPA Tiered Approach to Corrective Action Objectives (TACO) Tier 1 remediation objectives (ROs) associated with the past operations of the MGP.

The primary objective of the off-site investigation was to define the extent, both vertical and horizontal, of the MGP related impacts surrounding the AmerenIP property. Based upon the data that is currently available, there is minimal potential for exposure to individuals within and outside of the remediation site for the constituents of concern. Where necessary and appropriate, AmerenIP will coordinate with affected property owners to address identified impacts.

Site Description

The remediation site is located at 308 North Fifth Street (formerly 502 East Hill Street), Champaign, Illinois. The site consists of a vacant flat area secured by a chain-link fence, and is owned by AmerenIP. This investigation also included adjacent residential properties to the north, west and south, and commercial properties to the east. At this time, the future uses of the surrounding properties are anticipated to remain as mixed residential and commercial.

Site History

Historical information indicates that the former Champaign and Urbana Gas Light Company, and subsequently AmerenIP, operated a manufactured gas plant on the remediation site from approximately 1869 through the early 1930s. The plant was placed on standby status from the early 1930s to the mid 1950s and was used for meeting peak demand up until the mid 1950s. The site remained vacant and unused from 1960 until the property was sold to American Legion Post 559 in 1979. The Booster House was maintained and used for periodic meetings by the American Legion from 1979 until 1991. AmerenIP repurchased the property from the American Legion in 1991 and the site has since remained vacant.

Site Investigation Objectives

This SIR is being submitted with the intent of the Remedial Applicant (RA), AmerenIP, to obtain a Comprehensive NFR Letter for the remediation site. The objective of the investigation activities was to collect data to determine the extent of potential off-site impacts from the Champaign MGP site and to provide the quantity and quality of data necessary to complete a SIR, Remedial Objectives Report (ROR), and Remedial Action Plan (RAP) under the SRP and TACO. Findings of the site investigation indicated the presence of soil and groundwater impact off-site that exceeds Tier 1 ROs.

Technical Approach

The technical approach for the investigations included reviewing historical data and information from previous investigations to identify potential recognized environmental conditions (RECs). Upon identification of the potential RECs, a plan was developed to perform subsurface investigation activities to either confirm or exclude the actual presence of subsurface impact on off-site properties. Investigation results indicated the presence of subsurface soil and groundwater impact on properties to the north, east, and west of the MGP, as well as groundwater impact to the south. Although present, there were no indications of past or current human exposure to the impacts.

Recognized Environmental Conditions

The former gas plant and associated buildings, three tar wells, two gas holders, and two oil tanks were located on the northern portion of the site. The former booster house, one gas holder, three purifiers, and seven oil tanks were located on the southern portion of the site. The former "University of Illinois Gas Experiment Station" was located in the northeastern portion of the site. All structures associated with the MGP have been removed with the exception of the booster house which remains on-site.

Constituents of Concern

The analytical data set was compared to the TACO Tier 1 RO values, the provisional non-TACO ROs, and accepted background levels as an initial screening. Based on this review, the potential exposure pathways of concern are:

- The soil ingestion pathway for residential, industrial/commercial and construction worker settings;
- The soil inhalation pathway for residential, industrial/commercial and construction worker settings;
- The soil component to groundwater ingestion pathway; and
- The groundwater ingestion pathway.

Twenty-five constituents of concern (COC) were identified in on-site soils during the CSI. Eighteen COCs were identified in soils off-site during the 2008 investigation. Eleven constituents have been identified in groundwater at levels exceeding TACO Tier 1 ROs. COCs from the 2008 off-site investigation are listed in Table ES-1. Remedial actions have been performed to address significant levels of impact, however, AmerenIP may incorporate the following measures in order to meet the requirements for NFR:

- remediation through excavation and proper disposal of impacted soil exceeding ROs;
- calculation of Tier 2 and/or Tier 3 ROs using site-specific information and data;
- the construction and use of engineered barriers to restrict exposure;
- implementation of Highway Authority Agreements with appropriate highway jurisdictions; and/or
- implementation of institutional controls for property use as industrial/commercial purposes and for requirements of maintaining construction worker protection;

The implementation of these actions in order to meet the IEPA's requirements for an NFR letter will be discussed and presented at a later time in the ROR, RAP, and Remedial Action Completion Report (RACR).

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1 INTRODUCTION

This report has been prepared for AmerenIP by PSC Industrial Outsourcing, LP (PSC). PSC was retained by AmerenIP to provide consulting services for the investigation of the former Champaign manufactured gas plant (MGP) site and surrounding properties located in Champaign, Illinois. Site investigation activities have been performed in accordance with 35 Illinois Administrative Code (IAC) Section 740 – Site Remediation Program (SRP) and 35 IAC Section 742- Tiered Approach to Corrective Action Objectives (TACO). For the purposes of this report, the "Site" is reference to the AmerenIP – owned property that is primarily located within the fenced boundary. Off-site properties consist of any adjacent property outside the AmerenIP site.

1.1 Site Location

The Site is located within the city limits of Champaign, Illinois in Champaign County in the northeast quarter of the southwest quarter of Section 7, Township 19 North, Range 9 East of the Third Principal Meridian. The Site address is 308 North Fifth Street (formerly 502 East Hill Street), Champaign, Illinois. The property is currently vacant, is secured by a chain-link fence, and is owned by AmerenIP. Figure 1-1 illustrates the approximate location of the Site. The general area around the Site consists of both residential and commercial properties. Figure 1-2 depicts the remediation site boundaries and the layout of the surrounding properties.

A single active track railroad right-of-way (Norfolk-Southern) borders the Site to the north and several residential properties are located north of the railroad right-of-way. The Sixth Street right-of-way is adjacent to the east of the Site; however, Sixth Street is closed between the railroad right-of-way and the alley south of the Site. Other property east of the vacated Sixth Street right-of-way is commercial. Residential properties to the south are separated from the Site by the chain link fence and an active alley. North Fifth Street borders the Site to the west and separates the Site from residential properties to the west. At one time, Hill Street approximately bisected the Site in the east-west direction; but the street has been vacated and is now part of the Site owned by AmerenIP.

1.2 Project Objectives

The objective of the off-site investigation activities was to collect data to determine the extent of potential off-site impacts from the Champaign MGP site. The investigation activities were designed to address all areas that may be potentially impacted due to former MGP site operations and to supplement data collected during previous investigations and remediation activities completed at the Site. The data obtained will be utilized with the existing data for the evaluation of potential actions required to obtain from the IEPA a No Further Remediation (NFR) letter(s) for the associated properties.

These objectives were addressed through completion of the following field activities:

- Completion of surface and subsurface soil sampling using a GeoProbe™ with a hydraulic hammer;

- Installation of thirteen additional groundwater monitoring wells;
- Collection of groundwater samples;
- Collection of Shelby tubes for geotechnical parameters; and
- Completion of soil and groundwater laboratory analytical program.

1.3 Report Organization

This SIR was prepared for submittal to the IEPA to meet the requirements of IAC Section 740.425 and is organized into eight technical sections and seven appendices.

- Section 1 provides an introduction to the Site and objectives of this report;
- Section 2 presents information on the background of the Site, details relative to Site history and previous investigation activities, and a discussion of Site physical conditions including regional and site-specific geological and hydrogeological conditions;
- Section 3 presents a brief overview of the Off-Site Investigation Work Plan;
- Section 4 presents a discussion of work completed for the investigation;
- Section 5 presents the investigation chemical analytical program and includes a discussion of the results;
- Section 6 presents a discussion of the endangerment assessment and includes a discussion of recognized environmental conditions at the Site and the results of a comparison to Tier 1 Remediation Objectives (ROs);
- Section 7 is a summary of the nature and extent of impacts at the Site; and
- Section 8 presents the Illinois Licensed Professional Geologist review statement and certification.

2 SITE BACKGROUND

The following sections provide a description and characterization of the Site as required under IAC Section 740.425(b)(2). The sections provide site information, a site setting, and legal description. No Phase I Environmental Site Assessment (ESA) report was prepared; however standard Phase I ESA data was collected as outlined in ASTM 1527 and was used to develop the approach for the investigation and a site investigation plan. Additional information regarding the history of the Site is included in the *Comprehensive Site Investigation Report for AmerenIP Champaign, Illinois Former Manufactured Gas Plant, State ID 0190100008* dated December 2007 (CSIR).

2.1 Site History

The following information relative to MGP history is summarized from Sanborn Fire Insurance Maps (Sanborn Maps), Brown's Directory of American Gas Companies (Brown's Directories), AmerenIP files, and other historical documents.

Historical information relative to the Site indicates that gas was manufactured on the Site as early as 1869 and continued through 1933 (i.e. at least 64 years). Gas was produced by coal carbonization, oil gasification, and carbureted water gas methods during various periods of operation. After operations ceased in 1932 or 1933, the plant was maintained for stand-by production purposes until about 1955. Plant facilities were demolished, with the exception of the booster house, between 1955 and 1960. Although the property remained vacant, Illinois Power, a predecessor of AmerenIP, maintained ownership of the property until 1979 when it was sold to the American Legion. Illinois Power repurchased the property from the American Legion in 1991 after preliminary environmental investigations indicated the presence of MGP related impacts at the Site. Figure 2-1 illustrates the historical MGP structures at the site through its years of operation.

The 1887 Sanborn map shows a residence located on the southeast corner of 5th and Hill Streets, in an area that later became part of the MGP. The map also shows a seminary located at the northwest corner of 5th and Hill Streets. The 1892 Sanborn map indicated a residence north of the railroad tracks, in the area that is currently 5th and Washington Streets. The 1915 Sanborn map shows the expansion of the MGP to the south side of E. Hill Street. One gas holder is illustrated on the map surrounded by residences. The 1924 Sanborn map indicates the presence of three residences located on the southeast corner of what is now the MGP site, and the 1951 map shows the expansion of the MGP to include the entire block south of E. Hill Street between 5th and 6th Streets. Refer to the CSIR for details on the Sanborn Maps.

2.2 Site Description

The Site is located within the city limits of Champaign, Illinois in Champaign County in the northeast quarter of the southwest quarter of Section 7, Township 19 North, Range 9 East of the Third Principal Meridian. The Site address is 308 North Fifth Street (formerly

502 East Hill Street), Champaign, Illinois. The property is currently vacant, is secured by a chain-link fence, and is owned by AmerenIP. Figure 1-1 illustrates the approximate location of the Site. The general area around the Site consists of both residential and commercial properties. Figure 1-2 depicts the Site boundaries and layout of adjacent properties.

A single active track railroad right-of-way (Norfolk-Southern) borders the Site to the north and several residential properties are located north of the railroad right-of-way. The Sixth Street right-of-way is adjacent to the east of the Site; however, Sixth Street is closed between the railroad right-of-way and the alley south of the Site. Properties east of the Sixth Street right-of-way are commercial. Residential properties to the south are separated from the Site by the chain link fence and an active alley. North Fifth Street borders the Site to the west and separates the Site from residential properties to the west. At one time, Hill Street approximately bisected the Site in the east-west direction; but the street has been vacated and is now part of the Site and is owned by AmerenIP.

2.3 Legal Description

The legal description for the Champaign remediation site is as follows:

Part of the SW ¼, of Sec. 7 T.19N. R.9E. of the 3rd. PM., City of Champaign, Champaign County, Illinois, more particularly described as follows:

Lots 7, 8, 9, 10, 11, and 12 in block 29 (except railroad right-of-way) of Seminary Addition to Urbana, now a part of the City of Champaign lying south of the railroad right-of-way;

And lots 1, 2, and 3 in block 31 of Seminary Addition to Urbana, now a part of the City of Champaign;

And a strip of land 66 feet in width known as vacated Hill Street lying between blocks 29 and 31;

And lots 1, 2, and 3 of Assessor's Plat of subdivision of lot 8 in M.W. Busey's subdivision of south part of lot 1 of the south west quarter of Section 1, Township 19 North, Range 9 East of the third principal meridian, and lots 4, 5 and 6 in block 31 of Seminary Addition to Urbana, now a part of the City of Champaign, as per plat recorded in deed record 35 a page 66;

All situated in the City Champaign, County of Champaign and the State of Illinois.

2.4 Regional Geological and Hydrological Setting

Champaign County, Illinois is situated within the Bloomington Ridge Plain in the Till Plains section of the Central Lowland Physiographic Province. The landscape is characterized by widely spaced continental glacial moraines with nearly featureless

ground moraine plains. The geology beneath Champaign County has been summarized as 100 to 400 feet of Wisconsinan, Illinoian, and Kansan glacial drift deposited on Paleozoic bedrock which dips eastward and southward toward the Illinois Basin.

Six major waterways drain Champaign County. The Middle Fork of the Vermilion River, the Little Vermilion River, the Embarras River, and the Salt Fork empty into the Wabash River and drain the eastern half of the County. The Sangamon River, which discharges into the Illinois River, and the Kaskaskia River, which discharges into the Mississippi River, drains the western half of the Champaign County. Limited areas along these waterways are subjected to periodic temporary flooding.

Groundwater resources in Champaign County come from three aquifers within the Wisconsinan, Illinoian and Kansan glacial deposits. The aquifers were named the Wedron, Glasford and Banner aquifers by Kempton et al (1982), after the glacial formation in which each is encountered. Within Champaign County, however, the aquifers have been simply defined as the upper, middle and lower sand and gravel aquifer. The difference between the two definitions is that the upper aquifer in Champaign County occurs in outwash sands and gravels, whereas Kempton's Wedron Aquifer is defined as the formation's basal sand and gravel unit, the Ashmore Member. The Ashmore aquifer is encountered in scattered locations throughout east-central Illinois and is apparently not laterally continuous beneath Champaign County.

The upper sand and gravel aquifers found in the Wisconsinan Wedron Formation beneath Champaign County occur as isolated pockets or lenses of sand and gravel in the Champaign and Urbana Moraines or outwash sand and gravel near the front of the moraines. The aquifers provide water for about 29 percent of the individual farms and domestic wells in the County (Sanderson and Zewde, 1976). Throughout Champaign County, wells finished in these isolated sands and gravels vary in depth from about 25 to 100 feet Below Land Surface (BLS). Water table elevations range from 650 feet above Mean Sea Level (MSL) in eastern Champaign County to about 750 feet above MSL northwest of Champaign.

The middle sand and gravel aquifers found in the Illinoian Glasford Formation occur as fairly continuous layers in the Radnor and Vandalia Till Members. The middle aquifer serves as a source of water for 55 percent of the farm and domestic wells in the County. The middle aquifer also provides a backup source of water for the cities of Champaign and Urbana. The top of the middle aquifer ranges from about 125 to 175 feet BLS near Champaign/Urbana. The bottom ranges between 175 and 200 feet BLS. The water level of wells finished in the middle aquifer ranges from about 630 feet above MSL around Champaign/Urbana to about 720 feet above MSL in the northwest part of the County. The direction of flow appears to be towards the southwest (Sanderson and Zewde, 1976).

The lower sand and gravel aquifer encountered in the Kansan Banner Formation occurs as thick sand and gravel deposits of the Mahomet bedrock valley. The aquifer within the Mahomet Sand is the most significant aquifer within east-central Illinois, accounting for about 87 percent of municipal groundwater supplies for the County. The groundwater resources of the Mahomet Sand are underdeveloped, especially those overlying the main channel. The lower aquifer can be up to 150 feet thick, depending on proximity to the main channel of the Mahomet bedrock valley. The top of the Mahomet Sand is fairly

consistent at 500 feet above MSL. The average width of the valley is about 12 miles in Champaign County. The deposit is composed of clean sand and gravel. However, the deposit becomes more silty towards the valley margins.

The Paleozoic bedrock beneath the glacial deposits provides only small supplies of water from sandstone and limestone beds of the Pennsylvanian formations. The groundwater in Mississippian and older bedrock is too deep and/or too mineralized to be considered a good source of water.

The Illinois American Water Company (IAWC) supplies water from water wells located in the west well field located about three miles west of the Site. These wells average about 310 feet in total depth and have between 50 and 100 feet of screen. The wells in the west field produce water from the Mahomet Sand Member. IAWC also has water wells in the north well field located about 1.0 mile northeast of the Site. These wells average about 210 feet deep, with screens ranging from 10 to 50 feet in length. The wells produce water from the middle sand and gravel aquifer in the Glasford Formation.

2.5 Private and Public Drinking Water Wells in Vicinity

The "EDR Illinois Water Well Report" provides a summary of known water wells within a one-half mile radius of the Site. Federal, State, and Public Water supply databases were searched. Twenty-two (22) wells were identified from the State database. There are no public water supply wells within the one-half mile radius of the Site. A copy of the EDR report is presented in Appendix B of the CSIR.

Champaign/Urbana and the University of Illinois are supplied with water from the IAWC. IAWC supplies water from water wells located in the west well field about three miles west of the MGP site. These wells average about 310 feet in total depth and have between 50 and 100 feet of screen. The wells in the west field produce water from the Mahomet Sand Member.

The IAWC also has water wells in the north well field located about 1.0 mile northeast of the MGP site. These wells average about 210 feet deep, with screens ranging from 10 to 50 feet in length. The wells produce water from the middle sand and gravel aquifer in the Glasford Formation.

2.6 Site Geology

The major geologic units present at the Site, in descending order, are the surficial fill layer, the weathered and unweathered till units of the Wedron Formation, Upper Glasford Formation, and the sand member of the Lower Glasford Formation. Below the Glasford formations are the Upper and Middle Banner formations, beneath which is the bedrock at an estimated depth of 290 beet bgs in the vicinity of the Site.

2.6.1 Surficial Fill Layer

The surficial fill layer is typically three to four feet thick and covers the entire Site. The fill consists of gravelly silt and sand, with cinders, bricks and debris. Much of the fill was placed on the Site after demolition of the MGP facilities was completed.

Some topsoil encountered may have been classified as fill material based on a dark organic appearance which resembles the known fill on Site. Topsoil was also placed over portions of the Site where CSI test pits were excavated. The fill is thickest in an isolated area along the northern portion of the Site near the railroad tracks.

2.6.2 Weathered Till Unit

The first natural subsurface material encountered is a weathered till unit. The unit is continuous beneath the study area and is believed to be part of the Batestown Till Member of the Wisconsinan Wedron Formation. The Weathered Till Unit was contacted at various depths beneath the study area. The unit averages 10 to 15 feet thick beneath the Site.

The Weathered Till Unit is comprised of brown to gray silty clay with some oxidation evident along clay fractures. MGP residual staining is present along some of these fractures. Numerous minor sand and silty sand layers were encountered; however, the sand layers are laterally discontinuous. Residual impacts are frequently associated with sandy and silty layers. The distinction between the weathered and unweathered till units was often difficult to distinguish.

2.6.3 Unweathered Till Unit

The Unweathered Till Unit is also believed to be part of the Batestown Till Member of the Wisconsinan Wedron Formation. The unit is generally differentiated from the Weathered Till Unit by the gray color and lack of weathering along fractures. The Unweathered Till was encountered at depths ranging from 9 to 20.5 feet bgs. Sand and gravel layers were also encountered within the Unweathered Till Unit; however, these layers were not laterally continuous beneath the Site.

2.6.4 Lower Silty Sand Unit

Three deep boreholes drilled during the Phase II investigation encountered thick sand, silty sand, and gravel units at depths below 100 feet. These deeper deposits are believed to be the upper units of the Illinoisan Glasford Formation. The actual contact between Wedron and Glasford was not delineated due to the similarities between the units and the rotary wash drilling method used in the deeper boreholes.

2.7 Site Hydrogeology

Groundwater hydrology activities completed during the off-site investigation consisted of sampling wells which had been installed during the Phase II activities, and the installation and sampling of thirteen additional wells. The following sections describe the three uppermost water-bearing units beneath the Site.

2.7.1 Shallow Groundwater System

The shallow groundwater system at the Site is an unconfined water-bearing zone with the saturation depth (water table) found in the surficial fill layer or the uppermost till unit and is currently monitored by nineteen wells. Groundwater in the shallow system beneath most of the study area generally flows in a north/northwest direction with a somewhat radial pattern from the site that may be due to well locations and spacing. The configuration of the shallow water table in May 2008 is shown on Figure 2-2, and the configuration of the shallow water table in December 2006 is shown on Figure 2-3. Depth to the shallow groundwater system typically ranges from 3- to 10- feet bgs. Additional groundwater data from previous events is presented in the CSIR dated December 2007.

Groundwater flow gradients differ considerably between the southern and northern parts of the Site. The shallow groundwater system near the southern edge of the Site has a hydraulic gradient of about 0.08 foot per foot. The groundwater flow rate is about 7.5 feet/year based on an averaged observed hydraulic conductivity of 9.1×10^{-5} cm/sec from the slug tests performed in wells UMW-104 and UMW-106 (Table 2-1). Groundwater velocity could be as high as 30 feet/year using an effective porosity of 25 percent. The shallow groundwater system for the remainder of the Site has a hydraulic gradient of about 0.01 foot per foot. The resulting groundwater flow rate is about 0.33 foot/year based on an average hydraulic conductivity of 3.2×10^{-5} cm/sec from the slug tests performed in wells UMW-108 and UMW-102. Groundwater velocity could be as high as 1.3 feet/year using an effective porosity of 25 percent. Calculation methods were presented in the RI report (Burlington, 1994).

2.7.2 Intermediate Sand Unit

Eight groundwater monitoring wells were installed at a depth of forty-five feet bgs during the 2008 off-site investigation to encounter an intermediate sand unit. Wells were cased to a depth of approximately 29.5 feet bgs with a screened interval of 35.0 to 45.0 feet bgs. One well was installed off-site to the north and west; three wells were installed off-site to the south, one well was installed off-site to the southeast, and one well was installed off-site to the east. An additional well was installed on-site in the former Hill Street right-of-way. Water levels taken in July 2008 ranged from 25.0 to 28.0 feet bgs. The configuration of the intermediate water table in July 2008 is shown on Figure 2-4. Groundwater generally flows in a southeast direction.

Slug testing was performed in four of the eight intermediate wells (UMW-301, UMW-302, UMW-303, and UMW-304) during the off-site investigations. The horizontal hydraulic conductivity values ranged from 2.80×10^{-2} centimeters per second to 8.63×10^{-2} centimeters per second. The mean hydraulic conductivity calculated using data from the four wells was 4.85×10^{-2} centimeters per second, or 137.5 feet per day. Hydraulic conductivity data is presented in Table 2-3, and field data sheets are included in Appendix A.

2.7.3 Deep Groundwater System

The deepest groundwater system that has been monitored at the Site is a sand and gravel zone within the Lower Glasford Formation beginning at a depth of about 151 feet bgs to a depth greater than 177 feet bgs. The sand and gravel layers encountered in this zone were much thicker and laterally continuous than the silty sand and sand units encountered in the weathered and unweathered till units. The water levels for the three wells screened in this zone stabilized at depths of approximately 120 feet bgs. The regional gradient is to the west-southwest.

The three deep wells installed during the Phase II Site Investigation were plugged and abandoned in 1999. During the period between 1992 and 1998 when these wells were being monitored, no impacts were detected. Since there is a downward gradient from the shallow groundwater unit to the deeper aquifer, these wells were plugged to prevent them from acting as a potential conduit from shallow impacted soils to the deeper aquifer.

2.8 Geological Summary

In order to facilitate interpretation of site investigation findings, a series of cross sections were developed during the CSI which illustrate some of the Site features and characteristics. A total of six sections have been constructed. Figure 2-5 is a site plan which shows locations of these six cross sections. Figures 2-6 through 2-8 are west to east cross sections and Figures 2-9 through 2-11 are south to north sections through the Site.

The three west to east cross sections show a fairly uniform distribution of the surficial fill layer, weathered till and the unweathered till units. The lower sand unit was only encountered in the northwestern portion of the Site. The surficial fill layer is slightly thicker in the northern portion of the Site with thicknesses of approximately 3.5 to 3.9 feet. The weathered till unit averages from 6.25 to 6.5 feet thick. The unweathered till unit averages approximately 19.5 to 20.25 feet thick.

2.9 Preliminary Assessment

Elements of a Phase I ESA have been completed throughout the duration of project activities dating back to 1990. In July 2002, PSC completed Phase I ESA activities through an Environmental Data Resources, Inc. (EDR) data search. The Preliminary Assessment (PA) elements provided by EDR included the following:

- Search of Illinois Water Well Report,
- Search of available environmental records, and
- Search of Sanborn Fire Insurance maps.

Sanborn Fire Insurance Maps covering the Site area were examined for the years 1887, 1892, 1897, 1902, 1909, 1915, 1924, and 1951. Observations from examination of these

maps were presented previously in Section 2.1. Copies of the maps showing the general Site area are presented in Appendix A of the CSIR.

EDR completed a search of available environmental records and produced a report entitled "The EDR Radius Map with GeoCheck". A copy of the complete EDR report is presented in Appendix B of the CSIR. The EDR search revealed the following:

- Search of the RCRIS-SQG list revealed that there are four RCRIS-SQG sites within approximately 0.25 miles of the Site.
- Leaking Underground Storage Tank (LUST) incident Reports revealed that there are seven LUST sites within approximately 0.5 miles for the Site.
- The Underground Storage Tank (UST) database of registered USTs revealed that there are seven UST sites within approximately 0.25 miles of the Site.
- Search of the Illinois Site Remediation Program (SRP) list revealed that there are three SRP sites within approximately one mile of the Site.

2.10 Previous Investigations

Several phases of investigation have been completed at the Site and are summarized briefly below. These investigations began in 1986 and included both on-site and off-site activities. An interim removal action was also completed in 1997 and 1998, and groundwater sampling activities have been carried out on a quarterly basis from 1997 through 2007.

2.10.1 Phase IA/IB Investigation

Warzyn conducted two phases of investigation during 1986. Phase IA consisted of a detailed site inspection and interviews, and Phase IB included soil gas sampling and geophysical exploration. Evidence of buried structures and MGP residuals were observed on the Site. Phase IA/IB activities were used to direct Phase IC/ID RECON Investigation activities.

2.10.2 Phase IC/ID RECON® Investigation

Mathes conducted Phase IC/ID RECON® Investigation activities on-site and off-site in 1990 to evaluate the nature and extent of MGP impact in shallow soils and groundwater. Soil and groundwater samples were collected at 34 locations on-site and 37 locations off-site for headspace analysis using an on-site gas chromatograph (GC). The combined results of the on-site and off-site surveys indicated subsurface impacts from MGP related residuals over much of the Site and also off-site primarily to the northeast, north, and west.

2.10.3 Phase II Site Investigation

Phase II site investigation activities began in November 1990, continued throughout 1991, and were completed in January 1992. Phase II activities, both on-site and off-site included completion of soil borings, installation of piezometers and monitoring wells, excavation of test pits, chemical analysis of soil and groundwater samples, aquifer characteristic tests, and ambient air monitoring. Thirty-four soil samples were collected for analysis from 28 boring locations. A groundwater monitoring program began during the Phase II activities and has been continued to the present. Phase II SI activities also included collection and analysis of five (5) surface soil samples, excavation and sampling of test pits, sampling and analysis of storm sewers, and residential air sampling and analysis.

The results of the Phase II SI confirmed the results of the Phase I assessments; however, it did not fully define the degree and extent of MGP impacts. Impacts from MGP constituents were identified both on-site and off-site. AmerenIP conducted additional investigations at the Site beginning in 2004 in order to complete the site investigation according to current Illinois regulations. The data from the Phase II SI as well as newly collected data were the basis for the December 2007 Comprehensive SIR.

2.10.4 Supplemental Site Investigation

A Supplemental Site Investigation was completed in March 1997 to further assess extent and impacts of off-site residuals east of the site and to characterize materials within the below grade gas holder (GH-1) with respect to planned source removal. SSI activities included geoprobe soil sampling along the Sixth Street right-of-way, test pit excavations near GH-1 and immediately west of Sixth Street, and sampling of liquids within GH-1. Impacts from MGP residuals were observed at several locations within the vacated Sixth Street right-of-way; however, neither a source nor a pathway for these residuals was identified. No obvious migration pathways were discovered during the SSI activities.

2.10.5 Interim Remedial Measures

Interim remedial measures were completed at the Site between October 1997 and May 1998. The objective was the removal of source material from within subgrade gas holder (GH-1), tar wells and a tar separator, and an area of purifier waste. Source materials and residuals were treated on-site to render the materials non-hazardous. These impacted materials were subsequently excavated and shipped off-site for treatment at Illinova Resource Recovery's Baldwin Thermal Treatment (BTT) Facility. Approximately 1,500 tons of MGP impacted material were excavated and disposed of at BTT and an additional 100 cubic yards of concrete and rubble were disposed of at a landfill.

2.10.6 Comprehensive Site Investigation

A Comprehensive Site Investigation was completed during June through August 2004 to define the extent of MGP-related impacts on the AmerenIP property. The principal CSI activities completed during 2004 included excavation and sampling of test pits, logging and sampling of probeholes, and groundwater sampling. Nine test pits were excavated to investigate below grade MGP structures not addressed during the interim remedial measures and to evaluate potential off-site migration pathways to the north and east of the Site. Evidence of MGP-related impact was observed in all test pits and six soil samples were collected for chemical analysis. Although heavily impacted material was identified in test pits in the north and east edges of the Site, the relatively shallow depths suggested that they were not likely the pathways for off-site migration.

Twenty-seven probeholes were completed to depths ranging from twenty-four to thirty-two feet. Three probeholes were completed within the vacated Sixth Street right-of-way and seven probeholes were completed within the railroad right-of-way. The remaining seventeen probeholes were completed on the AmerenIP owned parcel. Evidence of MGP-related impact was noted at all probehole locations with the exception of two. Observed impacts tended to be both greater and deeper in the northern portion of the Site, including the railroad right-of-way north of the Site. RECs determined during the CSI are presented in Section 6. Additional details of the investigation evaluation were discussed in the CSIR.

Fourteen monitoring wells were also sampled for chemical analysis. Water level measurements, total well depths, and presence of MGP-related impact were recorded. Benzene, toluene, ethylbenzene, and xylenes (BTEX) and polynuclear aromatic hydrocarbon (PAH) constituents were identified above detection limits in five samples.

2.10.7 Groundwater Monitoring

As noted in Section 2.10.3, piezometers and groundwater monitoring wells were initially installed during the Phase II Site Investigation activities. Nineteen wells were installed both on-site and off-site, including three deep wells. Wells have been sampled for chemical analysis numerous times since initial installation in 1990.

Quarterly groundwater sampling at the Site commenced in the first quarter of 1996. Samples were collected from selected wells (UMW-102, UMW-107, UMW-108, UMW-109, UMW-111, UMW-112, UMW-114, UMW-115 and UMW-116) and analyzed for BTEX and naphthalene. Samples from wells UMW-107 and UMW-114 were also analyzed for PAHs. Well UMW-103 was sampled until the third quarter of 1996 when residual MGP impact was identified in the well and sampling was discontinued. This well and wells UMW-101, UMW-401, UMW-402, and UMW-403 were subsequently abandoned in accordance with Illinois Department of

Public Health guidelines. During sampling events from 1990 to 1999 no impacts were identified in the deep wells (UMW-401, UMW-402, and UMW-403) and subsequent to identification of residual MGP impact in wells UMW-101 and UMW-103 all five wells were sealed to prevent any potential hydraulic connection to the deeper aquifer. These five wells were sealed in August of 1999. Well UMW-111 was located in Washington Street and was subject to traffic damage. This well was also abandoned and a replacement well UMW-111R was installed nearby. During site maintenance activities and the IRM, all of the piezometers on the northern half of the Site were removed.

The shallow groundwater system at the Site has been impacted by MGP residuals over much of the Site. The volatile organic compounds (VOCs) present in the impacted groundwater include benzene, ethylbenzene, toluene and xylenes. Throughout the duration of sampling activities, various semi-volatile organic compounds (SVOCs) have been detected in 14 of the 18 shallow monitoring wells and piezometers. Table 2-2 presents a summary of groundwater results (BTEX, PAHs) for wells monitored from 1997 through 2008.

Although the flow direction defined by the January 1993 water levels was to the southeast, other measurements taken between December 1990 and November 1992 have indicated flow to the northeast, southwest, and northwest. December 2006 water levels indicated flow to the north and 2008 water levels indicate flow to the southeast.

2.11 Enforcement Actions

No enforcement actions have been taken at the Site. AmerenIP entered the Site into the IEPA voluntary program in 1989, which has subsequently become the Site Remediation Program. The Site identification number is LPC # 0190100008. Since the Site was entered into the SRP, plans and reports related to Site activities have been reviewed and approved by the IEPA. No enforcement notices from the IEPA or other federal, state, or local agency have been received by AmerenIP.

3 OFF- SITE INVESTIGATION WORK PLAN

This section presents the proposed activities described in the *Off-Site Investigation Work Plan, Former Manufactured Gas Plant, Champaign Illinois*, dated March 13, 2008 (OSIWP). The investigation activities included the collection of subsurface data necessary to complete the delineation of impact to soil and groundwater and to fully characterize the Site. It also included the development of remedial objectives and the preparation of the Remedial Objectives Report (ROR), which will be submitted as a separate document. Based upon the history of the MGP site and surrounding properties, as permitted in IAC Section 740.420(b)(1), the analytical program has been limited to specific MGP chemicals of concern and still satisfies the requirements for a Comprehensive Site Investigation.

The activities described in the work plan were developed to insure a dynamic investigation which could be refined throughout the duration of field activities to consider and address field observations. The historical information about the remediation site and the data from previous activities was used to help identify features and areas that required further data or delineation. The planned off-site investigation activities included the following:

- Site preparation and mobilization,
- On-site soil boring and soil sampling,
- Off-site soil boring and soil sampling,
- Evaluation of groundwater conditions,
- Soil and groundwater laboratory analytical program, and
- Shelby Tube collection.

Field activities were managed and completed by PSC and its subcontractors. The IEPA and USEPA provided oversight for field activities. Kelron Environmental of Champaign, Illinois provided oversight for groundwater sampling. Vegrzyn, Sarver and Associates of Champaign, Illinois provided survey services, and Teklab Inc. of Collinsville, Illinois provided analytical laboratory services.

3.1 Site Preparation and Mobilization

Prior to performing any off-site activities, AmerenIP and/or its site representatives obtained access from the appropriate property owners. In addition, AmerenIP provided each owner and tenant with an explanation of the activities and purpose of the investigation on their applicable tract.

Joint Utility Locating Information for Excavators (J.U.L.I.E.) was contacted by PSC prior to the start of any intrusive field activities. All underground utilities were marked by the respective company, both within the boundary of the Site and within the off-site areas to be investigated. The PSC site engineer/geologist marked the approximate locations to be investigated. As site work progressed, some of these locations were modified and additional locations were included.

Excavation and drilling equipment was mobilized to the Site and a lay-down area established for storage of equipment and supplies. The former MGP booster house was used as both an office and storage facility throughout the investigation activity. A temporary decontamination pad was constructed at the Site for cleaning drilling and sampling equipment. A poly-storage tank was located adjacent to the decontamination pad for temporary storage of decontamination fluids and waste water and a roll-off box was transported to the Site for temporary storage of drill cuttings and other investigation generated solid waste.

All equipment was inspected upon arrival at the Site and decontaminated prior to any on-site use. Augers and sampling equipment were cleaned with a pressure washer after completion of each borehole prior to moving to the next sample location. Sampling equipment was rinsed with a clean water rinse after pressure washing.

3.2 Off-Site Investigation Objectives

Based on a detailed review of previous investigation observations and results, and understanding the time frame within which previous work was completed (i.e. 1986 through 1998), it was concluded that additional site-specific data were necessary to fully delineate environmental impacts surrounding the Site and to provide the quantity and quality of data necessary to complete an SIR and ROR under the SRP and TACO. The primary objective of the off-site work was to collect additional data to more completely delineate the degree and extent of off-site impacts and to provide data which is complete and of the desired quality to allow subsequent completion of the ROR.

3.3 On-Site Soil Boring and Sampling

Soil borings were proposed at nine locations on-site during the investigation to provide transition data for the proposed off-site locations. In general, soil borings were advanced to a depth of approximately 30.0 feet bgs or to a minimum of eight feet below visual/olfactory impact, using a truck-mounted or track-mounted hydraulic hammer probe rig with Macro-Core samplers. The final boring depth at each location was determined in the field based on observations by the site engineer/geologist using the following criteria:

- Refusal indicating buried structure, contact with impenetrable geologic unit, or limits of the equipment. If refusal was encountered within five feet of the ground surface, the boring location was shifted a few feet and re-drilled.
- Termination in the unweathered till or sand units after eight feet with no apparent MGP impacts.

All borings were continuously sampled using appropriate methods. The site engineer/geologist logged each sample and recorded information on geologic field observation data sheets. Soil type, recovery, and observations relative to odors and impacts were recorded. Soil samples were classified in accordance with ASTM Standard D2488-90 (Standard Practice for Description and Identification of soils (Visual-Manual Procedure)). Each sample was field screened for organic vapor concentrations using a photoionization detector (PID) and the results recorded on the field data sheets.

In general, a minimum of three soil samples were collected from each boring for laboratory analyses. A surface soil sample was collected from the interval from ground surface to three feet bgs at each location. A second sample was collected from the three to ten foot bgs interval and a third from the interval below ten feet at each boring location. In addition, if MGP impacts were observed, at least one sample from the impacted interval was collected. The impacted sample was based on PID readings and/or odor and visual observations. If more than one area of impact was observed in a depth interval, additional samples were collected. The goal of this sampling rationale was to define the degree and extent of MGP impacts in both horizontal and vertical directions.

The surface soil samples (i.e. 0- to 3- foot bgs) were analyzed for BTEX, PAHs, cyanide, metals, organic carbon (f_{oc}) and pH. Non-impacted subsurface soils were analyzed for BTEX, PAHs, cyanide, metals, f_{oc} and pH. Impacted subsurface soil samples were analyzed for BTEX, PAHs, metals, and cyanide. Section 3.11 of this report presents the analytical methods used for this investigation and specific chemical constituents reported.

3.4 Off-Site Soil Boring and Sampling

Twenty-nine off-site boring locations were proposed in the OSIWP. Additional borings were added according to field observations; therefore, a total of forty-five borings were completed off-site. These locations are shown on Figure 3-1. The primary objective of these borings was to define the vertical and horizontal extent of MGP residuals identified off-site in previous investigation activities. These borings were at least 30 feet bgs (or to a minimum of eight feet below visual/olfactory impact) and were drilled using the same methodology as described for the on-site borings in the previous section. Criteria for the depth of termination were the same as for the on-site borings.

Nineteen borings were drilled north of the railroad right-of-way, and ten were drilled along the Fifth Street right-of-way west of the remediation site. Six boreholes were drilled along the south side of the alley to the south, two were drilled south of Church Street, four were drilled east of the Sixth Street right-of-way, one was drilled southeast of the Site near the intersection of 6th and Church Streets, and three were drilled northwest of the remediation site. All borings were logged and sampled following the same criteria described in Section 3.3 for the on-site borings. Criteria for soil sample analysis were the same as for the on-site borings.

3.5 Monitoring Well Installation

Based on field observations and analytical data from previous investigation activities, one additional monitoring well was installed on-site, and twelve additional monitoring wells were installed off-site. The locations of the monitoring wells are illustrated on Figure 3-1. The on-site well is located within the vacated Hill Street area near the center of the remediation site, screened in the intermediate depth of 35-45 feet to encounter a suspected sand unit beneath the Site. Off-site wells consisted of five wells installed to a depth of fifteen feet bgs, and seven wells installed to a depth of forty-five feet bgs. To prevent possible cross-contamination issues, the intermediate wells in known or

suspected areas of upper-level impact (UMW-301, UMW-302, UMW-303, and UMW-304) were outer-cased to a depth of 30 feet bgs with 10-foot screens. Monitoring well construction depths and descriptions are listed on Table 3-1.

Wells were constructed of two-inch diameter PVC well screens and risers, with well screen slot size of 0.010 inches. The annular space was backfilled with sand pack to two feet above the top of the well screen. A minimum of a two-foot seal of bentonite was placed above the sand pack. The remainder of the annular space was backfilled with bentonite grout. Each monitoring well was completed with a flush mount well protector. Well construction logs are included in Appendix C.

3.6 Monitoring Well Development

After well installation, each monitoring well was developed using pump and surge method to evacuate a minimum of five well volumes of water. Field parameters of pH, conductivity, turbidity, and temperature were measured throughout the development process to ensure that groundwater conditions stabilized. The quantity of water removed, the groundwater conditions, and the beginning and ending groundwater levels were recorded on field data sheets. Copies of the field data sheets are included in Appendix C.

3.7 Groundwater Monitoring

Quarterly groundwater monitoring at the Site has been underway since 1996 and has included fourteen wells on and around the Site. Ten of the thirteen new wells installed during the 2008 off-site investigation and the initial fourteen wells were sampled in May 2008. The later installed wells (UMW-305, UMW-306, and UMW-307) were sampled in July 2008. Groundwater sampling activities were initiated approximately two weeks after well installation and development of the new wells had been completed. After collection of water level data and prior to sampling, each of the wells were purged of a minimum of three well casing volumes of water. During purging, field measurements of pH, specific conductivity, temperature, and dissolved oxygen were measured until these parameters stabilized to within ten percent of the previous reading. Each well was outfitted with a dedicated bladder pump.

The procedures for well purging were in general accordance with USEPA Document 540/S-95/504 "Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures, April 1996 (Low-Flow). The purging rate was performed at a rate of <0.5 Liters per minute (L/m). The water level of the well was monitored during purging to avoid unacceptable drawdown and to prevent water cascading down the well screen. The rate was decreased appropriately to maintain a constant water level to within one foot (1') of drawdown or no more than 10% below the top of the screened interval, once the pump had started. At a minimum, one well casing volume was purged prior to evaluating parameter stabilization, unless low yield dictated otherwise. Calculation data was recorded on the Well Purging Data Form. Copies of the completed forms are included in Appendix B.

Per the guideline, the purging criteria were based primarily on the stabilization of water quality parameters. Water quality measurements of temperature, pH, specific conductance, oxidation-reduction potential (ORP), dissolved oxygen (DO), and turbidity were recorded during purging. All measurements were obtained using a water quality instrument fitted with a flow-through cell connected to the discharge side of a pump. During purging, the flow-through cell was inspected to insure no bubbles formed on the wall. The well was purged until indicator parameters stabilized over three consecutive readings.

Stabilization has been achieved after a minimum of three successive readings, in which pH is within +/- 0.1, conductivity is within +/- 3%, ORP is within +/-10mvs, DO is within +/-10%, and turbidity is within +/-10%. Dissolved oxygen and turbidity usually are the last parameters to stabilize. Therefore, stabilization achievement for turbidity was also based on being <25 ntu's.

Groundwater samples were collected from each monitoring well for laboratory analysis. Groundwater samples were analyzed for BTEX, PAHs, cyanide and metals. Samples to be analyzed for BTEX were collected first followed by PAHs, cyanide and metals. The bottles were labeled and placed on ice in a cooler provided by the laboratory.

3.8 Hydrogeologic Evaluation and Testing

Following the completion of wells, hydrogeologic testing was performed to characterize the hydrogeologic conditions. The testing included performing slug-testing on four of the intermediate monitoring wells for calculating Site hydraulic conductivity. Static groundwater level measurements were recorded and groundwater elevation contours were generated to depict the groundwater flow conditions at the Site. The groundwater contour maps for shallow and intermediate wells are illustrated in Figures 2-2, 2-3, and 2-4.

Slug testing consisted of the instantaneous introduction or removal of a stainless-steel rod or a slug into and out of each monitoring well. The instantaneous change in water level and the subsequent return of the water level to static conditions was recorded. Groundwater levels were monitored with an electronic water level indicator and a pressure transducer and data logger. Groundwater levels were monitored for a minimum of 10 minutes and until groundwater levels reached 90 percent of static conditions. Groundwater levels were not monitored beyond 60 minutes. The recorded data was evaluated using the Geraghty & Miller, Inc. model AQTESOLV™ to calculate a hydraulic conductivity at each well and the Site. AQTESOLV data sheets are included in Appendix D.

3.9 Shelby Tube Collection

Shelby tubes were collected from off-site properties for the preparation of potential vapor intrusion sampling. Shelby tubes were collected form borings B-845 and B-851. The following soil geotechnical parameters were collected using the following methods:

- Porosity – ASTM Method D653
- Moisture Content – ASTM Method D2216
- Dry Unit Weight – ASTM D2937
- Specific Gravity – ASTM D854

The summary of laboratory test results is presented in Table 3-2, and calculation data is included in Appendix G. A vapor intrusion sampling event at a few residential locations will be conducted as a follow up to the off-site investigation. The specific locations will be determined upon completion of the IEPA's review of this SIR and is subject to the approval of the affected property owner(s).

3.10 Analytical Program

As identified in Sections 3.2 through 3.4, both soil and water samples were collected during investigation activities for chemical analysis at an off-site laboratory. During sample collection, soil or water was placed in laboratory provided containers and labeled according to matrix, sample location, date, and analytical method. Duplicate samples were collected to assess the quality of the data resulting from the field sampling program.

Samples were protected from breakage and transported to the laboratory in coolers. Ice was used to maintain a temperature of 4° C. All soil and water samples were delivered under proper chain of custody to Teklab, Inc. in Collinsville, Illinois. The laboratory data, including analytical results and a data quality objective (DQO) level III data package, are included in Appendices D and E.

3.11 Soil Sample Analytical

Soil samples were collected from on-site and off-site soil borings. A total of one hundred sixty-five soil samples were sent to the laboratory for analysis. Due to the amount of analytical data from previous investigations, complete analyses for all parameters was not necessary as a site-specific constituent of concern (COC) list is presented in the CSIR. The total number of soil samples includes a minimum of three samples from most boring locations, and four duplicate samples.

The analytical methods included the following:

- SW-846 Method 5035/8260B (BTEX)
- SW-846 Method 8270 SIMS (PAHs)
- SW-846 Method 9010/9014 (total and amenable cyanide)
- SW- 846 Methods 6010B (chromium, lead, arsenic)
- SW-846 Method 9045C (pH)
- ASTM – D2974-87 (f_{oc})

Due to BTEX and PAHs being the primary drivers for remedial action at MGP sites, each soil sample was analyzed for BTEX and PAH constituents. Cyanide and metals were performed on approximately 40% of samples and pH on approximately 10% in a manner to fully represent the overall site conditions. A total of fourteen f_{oc} samples were collected from three interval depths in non-impacted areas and averaged for Site representation purposes. Soil samples analyzed for metals included arsenic, chromium, and lead.

3.12 Groundwater Sample Analytical

Groundwater samples were collected from fourteen pre-existing monitoring wells and thirteen new wells. In addition, two duplicate samples were collected for QA/QC purposes.

The analytical methods included the following:

- SW-846 Method 8260 (BTEX)
- SW-846 Method 8270 SIMS (PAHs)
- SW-846 Method 9010 (total cyanide)
- SW-846 Methods 6010B (chromium, lead, arsenic)

4 COMPREHENSIVE SITE INVESTIGATION FIELD INVESTIGATION

As required in IAC Section 740.425(b)(4), the following sections provide documentation of the field activities that were performed to characterize the Site. Investigation activities as defined in IAC Section 740 were performed during April through July 2008. In addition, certain activities defined in IAC Section 740 were performed during earlier investigations completed in 1986, 1990, 1997, 1998, and 2004 which are briefly summarized in Section 2.10. Greater detail regarding previous investigations is provided in the CSIR. Only those activities completed during 2008 are discussed in this section. The principal activities completed during 2008 included logging and sampling of probeholes, groundwater monitoring well installation, and groundwater sampling. The following sections address the activities in detail:

- Soil boring and sampling;
- Monitoring well installation;
- Well development and groundwater sampling;
- Investigation waste management and disposal; and
- Quality assurance / quality control activities.

4.1 Soil Boring and Sampling

As noted previously, several phases of soil sampling have been completed at and around the Site since initial investigation activities were initiated in 1986. Brief summaries relative to these previous activities are presented in Section 2. This section presents details relative to field activities completed during April through July 2008. Nine on-site and twenty-nine off-site soil boring locations were originally proposed in the OSIWP. Based on data obtained in the field, a total of fifty-four probeholes were completed (Figure 3-1).

Soil sampling was completed using a truck or track-mounted hydraulic hammer probe rig with Macro-Core samplers. The site engineer/geologist logged each sample and recorded information on field logging forms. Soil type, recovery, observations relative to odors and impacts were recorded. Soil samples were classified in accordance with ASTM Standard D2488-90 (Standard Practice for Description and Identification of soils (Visual-Manual Procedure)). Each sample was field screened for organic vapor concentrations using a PID and the results recorded in the field logs. A 4-foot long, 1 ½-inch diameter MacroCore™ sampler or a 5-foot long, 1 ½-inch diameter MacroCore™ sampler was advanced using direct-push methods. All probe locations were continuously sampled and samples were recovered in disposable acetate liners. Based on observations made during previous Site activities, probeholes were driven to a depth of at least 30 feet with the final termination depth determined in the field by the site geologist. Rationale for termination was based on lack of visual or olfactory impacted material. The maximum depth sampled was 34 feet.

Upon retrieval of the sample, the acetate liner was opened and all recovered sample material was scanned for the presence of VOCs using a PID. These data were logged on the geologic drilling logs and were used in the field to aid in selection of intervals to be sampled for laboratory chemical analysis.

Recovered soil samples were described and logged by the site geologist immediately upon opening the acetate liner. Descriptions included:

- sample recovery;
- sample interval;
- stratum thickness;
- depth of lithology change;
- color;
- approximate grain size;
- indications of contamination;
- macro-features and physical characteristics; and
- soil classification according to the Unified Soil Classification System (ASTM D 2487 and D 2488).

"Record of Subsurface Exploration" logs were completed for each probe location and are presented in Appendix F.

Soil sampling rationale was to collect a minimum of three samples from each probehole location; one sample from 0- to 3-feet bgs, one sample from 3- to 10-feet bgs, and one sample below 10-feet. Additional samples were collected based on PID results and visual observations by the field geologist. In general, at least three samples were collected from each location, and four or five samples were collected from several locations. Details relative to the analytical program are presented in Sections 3.10 and 5.1. Table 4-1 presents a summary of soil parameters analyzed. The following paragraphs provide brief descriptions of locations where impact was observed during soil logging activities separated by area.

North of MGP Site:

B-802: Probehole B-802 was completed on April 15, 2008 to a total depth of 30.0 feet bgs at a location on the north side of the railroad right-of-way. Four soil samples were collected for chemical analysis. Two impacted zones were observed; one from approximately 8- to 13-feet bgs, and a second from 14- to 18-feet bgs. Analytical samples were collected from both impacted zones. Based on field measurements, the area with the highest PID reading was at 15.0 feet bgs. No visual or olfactory indications of impact were observed in soils below 25.0 feet bgs; therefore an additional sample was collected from 25- to 26-feet bgs for confirmation purposes.

B-803: Probehole B-803 was completed on May 7, 2008 at a location approximately 70.0 feet northeast of B-802. Four soil samples were collected for chemical analysis. MGP-like odors were observed from approximately 7- to 20-feet bgs. Visual impact was noted at a depth of 21- to 22-feet bgs. No odor or impact was observed in soils at 29.0 ft bgs. Samples were collected from 21- to 22-feet bgs and 29- to 30-feet bgs. Based on

field measurements, the interval with the highest PID level was 21- to 22-feet bgs. The boring was terminated at 30.0 feet bgs.

B-835: Probehole B-835 was completed on April 2, 2008 in the northern portion of the former MGP site. The boring was placed in approximately the same location as boring B-503 that was advanced during the 2004 CSI; therefore the top eighteen feet of B-835 was not logged. A coal tar-like substance and strong odors were observed in voids and fractures at a depth of approximately 27.0 feet bgs. Based on field measurements, the interval with the highest PID reading was from 28- to 29-feet bgs. The soil boring was terminated at a depth of 30.0 ft bgs.

B-844: Impact was observed in probehole B-802 along the railroad right-of-way; therefore, B-844 was drilled approximately forty feet north of B-802 to delineate the extent of impact on that property. B-844 was completed on May 6, 2008 to a total depth of 30.0 feet bgs. Three soil samples were collected for chemical analysis. MGP-like odors were observed from approximately 11.5- to 26-feet bgs. Visual impact was noted in voids and fractures from 15- to 18-feet bgs. Based on field measurements, the highest PID reading occurred at 15.0 feet. Soils below 26.0 feet bgs did not appear to be impacted. Probehole B-845 was drilled approximately thirty feet north of B-844, and no impact was observed.

B-846: Probehole B-846 was added during field activities as a result of impact observed in boring B-850 approximately thirty-five feet to the southeast. The probehole was completed on May 7, 2008 to a total depth of 30.0 feet bgs. Three soil samples were collected for chemical analysis. Visual impact was noted from 6- to 12-feet bgs. Based on field measurements, the interval with the highest PID level was 15- to 16-feet bgs. Soils below 18.0 feet bgs did not appear to be impacted. Boring B-848 was placed north of B-846 to delineate the extent of impact in that area. No impact was identified in B-848.

B-847: Probehole B-847 was drilled between two properties north of the railroad right-of-way in order to delineate extent of impact in that area. The probehole was completed on May 7, 2008 to a total depth of 30.0 feet bgs at a location north of the railroad right-of-way approximately 60 feet south of Washington Street. Three soil samples were collected for chemical analysis. Impacted soils were observed from 18.5- to 19-ft bgs, and from 22- to 23-feet bgs. The highest PID reading occurred at 19.0 feet bgs. As a result of impacts observed in B-847, two additional borings were drilled approximately 65.0 feet farther north. No impact was observed in either boring.

B-849: Probehole B-849 was completed on May 7, 2008 to a total depth of 30.0 feet bgs. The probehole was placed approximately twenty feet north of B-803 to further delineate that property area. Three soil samples were collected for chemical analysis. Coal tar-like odors were observed from 14- to 19-feet bgs. A coal tar staining was noted from 16- to 17-feet bgs. The highest PID reading occurred at 17.0 ft bgs. Soils below 18.0 feet bgs did not appear to be impacted.

B-850: Probehole B-850 was completed on May 8, 2008 to a total depth of 30.0 feet bgs at a location in the railroad right-of-way north of the Site. Three soil samples were collected for chemical analysis. Light impacts were noted from 14- to 14.5-feet bgs, and a heavily impacted sand lens was observed at 16.0 ft bgs. A coal tar staining was also

noted in fractures at 18.5 ft bgs. The interval with the highest PID level was at 17.0 feet bgs. Soils below 26.0 feet bgs did not appear to be impacted.

South of MGP Site:

B-816: Probehole B-816 was completed on April 1, 2008 to a total depth of 27.0 feet bgs at a location on-site along the southern property boundary. Slight petroleum-like odors were observed at a depth of 9.0 feet bgs; however, no visual impact was observed. Three soil samples were collected from the boring for chemical analysis.

B-818: Probehole B-818 was completed on April 1, 2008 to a total depth of 30.0 feet bgs at a location on-site south of gas holder GH-3 along the southern fence line. A coal tar-like odor and residual staining was observed at approximately 6.5 ft and heavily impacted zones were encountered from approximately 7.5- to 10.5-feet bgs and 12- to 15-feet bgs. Four soil samples were collected for chemical analysis. Based on field measurements, the interval with the highest PID level was 8- to 9-feet bgs. A very slight coal tar-like odor was observed to a depth of 30.0 feet. The boring was terminated at 30.0 feet bgs to avoid possible cross-contamination of soils beneath the till unit.

B-822: Probehole B-822 was completed on April 1, 2008 to a total depth of 30.0 feet bgs at a location approximately 130.0 feet west of B-818. A slight naphthalene-like odor was observed at 7.5 ft bgs, and a moderate oil-like odor was noted at approximately 9.5 ft bgs. No odor or impact was noted from 11- to 27-feet bgs. A very slight fuel oil-like odor was noted at approximately 27.0 feet. Four soil samples were collected for chemical analysis. Based on field measurements, the area with the highest PID level was 7.5 feet bgs.

B-823: Probehole B-823 was completed on April 1, 2008 to a total depth of 30.0 feet bgs in the southwest corner of the former MGP site. Three soil samples were collected for chemical analysis. A slight fuel-like odor was observed between 10- and 12-feet bgs, and slight residual staining was observed from 13.5- to 14-feet bgs. Based on field measurements, the highest PID level was at 14.0 feet bgs. Soils below 18.0 feet bgs did not appear to be impacted.

West of MGP Site:

B-827: Probehole B-827 was completed on April 2, 2008 at a location approximately 65.0 feet north of B-823. Moderate coal tar-like odors and light staining were observed at a depth of approximately 7.5- to 9.5-feet bgs. Light staining was also observed at a depth of 13.0 feet bgs. Four soil samples were collected for chemical analysis. Based on field measurements, the interval with the highest PID level was 7.5- to 8-feet bgs. Refusal was encountered at 28.5 feet bgs.

B-828: Probehole B-828 was completed on April 3, 2008 to a total depth of 26.8 feet bgs at a location east of 5th Street near the intersection of 5th and Hill Streets. Four soil samples were collected for chemical analysis. Coal tar-like odors were observed from depths of 9.0 to approximately 14.5 ft bgs. Based on field measurements, the interval with the highest PID level was 9- to 10-feet bgs. Soils below 15.0 feet bgs did not appear to be impacted. The boring was terminated at a depth of 26.8 ft bgs due to auger refusal.

B-829: Probehole B-829 was completed on April 2, 2008 to a total depth of 30.0 feet bgs approximately 55.0 feet north of B-827. Three soil samples were collected for chemical analysis. Residual staining and odor was observed at 5.5 ft, 11.0 ft, and 13.0 ft bgs. Odors were also noted from 14- to 29-feet bgs. The interval with the highest PID reading occurred at 6.5 feet bgs. Soils at 30.0 feet did not appear to be impacted.

B-831: Probehole B-831 was completed on April 3, 2008 at a location approximately 60.0 feet north of the intersection of 5th and Hill Streets along the 5th Street right-of-way. Four soil samples were collected for chemical analysis. Moderate MGP-like staining and odors were observed from approximately 8- to 11-feet bgs. Soils from 11- to 12-feet bgs were heavily impacted with a coal tar-like material. The highest PID reading occurred at 11.5 feet. A coal tar-like substance was also visible in voids and fractures from 12- to 13-feet bgs. Odors were observed to a depth of 22.0 ft bgs. The boring was terminated at a depth of 30.0 ft bgs.

B-832: Probehole B-832 was completed on April 4, 2008 to a total depth of 30.0 feet bgs at a location approximately 60.0 feet north of B-831. Slight hydrocarbon-like odors were observed at depths of 2.0 feet and 5.0 feet bgs, however no visual impact was noted. PID readings remained at zero throughout the entire boring.

B-833: Probehole B-833 was completed on April 2, 2008 at a location in the northwest corner of the former MGP site. Five soil samples were collected for chemical analysis. Impacts were noted in the 8- to 12-foot interval, and at 26.5 feet bgs. Based on field measurements, the area with the highest PID level was at 10.5 feet bgs. Soils below 30.0 feet bgs did not appear to be impacted. The boring was terminated at 33.0 ft bgs to avoid possible cross-contamination of soils beneath the till unit.

B-838: Probehole B-838 was added during field activities to delineate the area between B-830 and B-821. The probehole was completed on April 4, 2008 to a total depth of 30.0 feet bgs. Four soil samples were collected for chemical analysis. Moderate to heavy impacts were observed from 13.5- to 15-feet bgs. The highest PID reading was taken at a depth of 13.5 feet bgs.

B-841: Impact was observed in probehole B-838, however no impact was observed in adjacent probehole B-839. Probehole B-841 was added during field activities to delineate the extent of impact between those two probeholes. B-841 was completed on April 15, 2008 to a total depth of 22.0 feet bgs. The boring was logged from 10- to 22-feet bgs for comparison purposes with boring B-838 and to encounter the contaminated zone. No soil samples were collected for chemical analysis. Impacts were observed between 18- and 21-feet bgs. The interval with the highest PID level was from 18.5- to 19-feet bgs.

Northwest of MGP Site:

B-834: Probehole B-834 was completed on April 4, 2008 to a total depth of 30.0 feet bgs at a location along the west side of 5th Street near the railroad right-of-way. Five soil samples were collected for chemical analysis. A diesel-like odor was observed from approximately 4- to 10-feet bgs. Coal tar-like nodules and odors were observed from 14-

to 17.5-feet bgs. No impact was noted below 20.0 ft bgs. Based on field measurements, the interval with the highest PID level was at 17.0 feet bgs.

B-836: Probehole B-836 was completed on April 8, 2008 to a total depth of 30.0 feet bgs at a location northwest of the Site. During drilling, diesel-like impact was observed in the boring. Previous property knowledge, and visual and odor observations identified it as non-MGP related, therefore, the three samples collected were not analyzed. No MGP-like odors or impact were noted in the boring. Diesel-like odors were noted from approximately 6- through 18-feet in the boring. Light impact was noted at 12.0 feet. The interval with the highest PID reading occurred at 9- to 10-feet bgs. Soil below 18.0 feet bgs did not appear to be impacted.

Summary: Fifty-two probeholes were completed to depths ranging from twenty- two to thirty-four feet. One probehole (B-841) was completed to a depth of only twenty-two feet to verify the presence of an impacted depth zone. One probehole (B-835) was logged only from 18.0 to 30.0 ft bgs to verify findings from the 2004 CSI. Visual or olfactory indications of impact were observed in twenty-two of the fifty-one probeholes. Impacted probeholes to the north of the former MGP Site consisted of the following eight probeholes: B-802, B-803, B-835, B-844, B-846, B-847, B-849, and B-850. Four probeholes (B-816, B-818, B-822, and B-823) located south or along the southern boundary of the former MGP Site contained observable impact. Impacted probeholes to the west or along the western Site boundary consisted of the following borings: B-827, B-828, B-829, B-831, B-832, B-833, B-838, and B-841. Borings B-834 and B-836, located northwest of the Site, contained diesel-like impacts not representative of MGP operations. B-834 also contained MGP-like impact at the greater than 10-foot depth interval. Borings completed to the east of the former MGP Site did not contain any observable impacts. Impact tended to be both greater and deeper surrounding the northern and western portions of the Site, including within the railroad right-of-way to the north.

4.2 Monitoring Well Installation

A total of five shallow monitoring wells were installed off-site to a depth of 15-feet bgs. Three of the wells were placed to the north of the railroad right-of-way (UMW 118, 119, and 120), one was placed approximately forty-five feet to the south of the MGP site boundary (UMW-121), and one well was placed approximately eighty feet west of the MGP (UMW-117). Well locations are illustrated on Figure 3-1. Each of the five shallow monitoring wells were installed using a track-mounted Geoprobe unit with 4.25-inch augers. The wells were screened from 5- to 15-feet in order to contact the shallow groundwater system.

A total of seven intermediate monitoring wells were installed off-site to a depth of 45-feet bgs, and one intermediate well was installed on-site in the former Hill Street right-of-way (UMW-304). One well (UMW-300) was installed approximately 175 feet north of the MGP boundary along Washington Street in the same location as boring B-851. A second well was placed in the former 6th Street right-of-way to the east of the Site

(UMW-301). A third well (UMW-305) was installed southeast of the Site near the intersection of 6th and Church Streets. Three wells (UMW-302, UMW-306, and UMW-307) were installed to the south of the former MGP. Well UMW-302 was placed south of the former MGP in the same area as UMW-121. Wells UMW-306 and UMW-307 were placed along the south side of Church Street. The seventh intermediate off-site well was placed along the 5th Street right-of-way west of the Site (UMW-303). The wells were installed using mud rotary with a screened interval from 35- to 45-feet bgs. Four of the wells were outer cased to a depth of approximately 29.5 feet bgs to prevent possible cross-contamination issues.

Wells were constructed of two-inch diameter PVC well screens and risers, with well screen slot size of 0.010 inches. The annular space was backfilled with sand pack to two feet above the top of the well screen. The remainder of the annular space was backfilled with bentonite grout. Each well was surged for 10 minutes after installation, and completed with a flush mount well protector. Well construction logs are included in Appendix C.

4.3 Well Development and Groundwater Sampling

As discussed in previous sections, groundwater monitoring wells were installed during Site investigation activities completed in 1990 and 1991. An additional thirteen wells were installed during 2008. Since 1990, a total of twenty-nine wells have been installed on and adjacent to the Site. During the intervening period, five of those wells have been abandoned. Figure 3-1 shows the locations of the twenty-four wells currently included in the groundwater monitoring program.

Wells installed during the 2008 investigation were developed prior to sampling. A minimum of three well volumes were purged using whale pumps and disposable tubing. Water quality parameters of temperature, pH, conductivity, and turbidity were recorded during purging. Water was purged until parameters were within +/- 10%. Approximately five well volumes were purged from some shallow wells in order to achieve stabilization. Groundwater samples were collected approximately two weeks after installation.

Since 1999, monitoring wells have been sampled on a quarterly basis and analyzed for select MGP constituents (primarily BTEX constituents and naphthalene). Table 2-2 presents a summary of groundwater sample results from previous monitoring events. A total of twenty-four wells were sampled in May 2008. The wells were sampled using the low-flow technique described in Section 3.7. Twenty six samples, including two duplicate samples, were submitted to the laboratory for analysis. Table 5-11 presents a summary of the groundwater sampling results. Samples were collected in accordance with the OSIWP and the quarterly groundwater monitoring plan. Copies of the analytical results and field data sheets are included in Appendix E.

4.4 Off-Site Laboratory Analytical Program

The off-site analytical program has been presented in Section 3 along with sample handling procedures and sampling rationale. One hundred sixty one soil samples and

four duplicate samples were collected for laboratory chemical analysis from the probeholes advanced in 2008. Table 4-1 presents a summary of analyses completed for these samples. Twenty-four groundwater samples and two duplicate samples were collected from both on-site and off-site monitoring wells. In addition, samples of investigation derived waste material, both liquid and solid, were collected and analyzed for disposal characteristics. All laboratory analyses were completed by TekLab. Results of laboratory analyses are discussed in detail in Sections 5 and 6 of this report.

Samples were protected from breakage and shipped in coolers. Coolers were transported and delivered under proper chain of custody to Teklab in Collinsville, Illinois. Ice was used to maintain a temperature of 4º C. A data quality objective (DQO) level III data package was delivered to PSC upon completion of analysis.

4.5 Management of Investigation Waste

All equipment and materials used in drilling, sampling, and monitoring well construction were decontaminated prior to use at the Site. In addition, all sampling equipment was decontaminated between samples and all drilling and geoprobe equipment decontaminated between boreholes.

All equipment and material coming into contact with potentially impacted material or the sample medium was decontaminated before, between, and after usage or properly discarded after becoming contaminated. Equipment was washed using a laboratory-grade detergent followed by clean water and distilled water rinses.

The following materials generated during investigation activities were containerized and stored on Site:

- Geoprobe – soils materials not used for analytical samples were placed in roll-off boxes;
- Well installation – soils materials and fluids generated during monitoring well installation were placed in roll-off boxes;
- Well development – water generated from development of monitoring wells was contained in 1,000-gallon poly tanks;
- Well purging – purge water from groundwater sampling was contained in 1,000-gallon poly tanks;
- Decontamination fluids – water and other fluids from equipment decontamination were contained on-site in 1,000-gallon poly tanks; and
- Disposable protective clothing and equipment was contained in roll-off boxes.

Upon completion of field activities all liquids and solids were sampled and analyzed for disposal parameters. Copies of the analytical results are included in Appendices D and E. Materials were subsequently disposed of at approved off-site facilities.

4.6 Off-Site Investigation Quality Assurance Activities

During field activities, certain records were maintained in logbooks and/or on field forms for sampling events and daily activities during the investigations. The following sections describe the major documentation and record keeping activities.

Each sample collected for chemical analysis was assigned a specific identifier based upon the sample location and depth designation. The specific designation for groundwater and soil samples was based upon the monitoring well or borehole number.

Each sample submitted for chemical analysis was properly sealed immediately after collection. All sample containers were labeled to prevent misidentification of samples. The label included at a minimum the following information:

- date and time of collection;
- location;
- depth interval (if applicable);
- sample number; and
- requested analyses.

All groundwater characterization samples were placed on ice immediately following field collection to lower the fluid temperature and minimize the amount of physicochemical change of the sample before submittal to the analytical laboratory. All containers in a groundwater sample set were additionally identified to indicate each as a part of a specific set.

All information pertinent to daily field activities and personnel was recorded in a field logbook (or series of logbooks). The field logbook is a bound book with consecutively numbered pages. Field logbooks were completed in a thorough manner so that later modifications or additions were not necessary. These logbooks became a part of the permanent file for the investigation.

Entries in the field logbooks detailed three basic categories of information:

- site activities log – site visits, site reconnaissance (specific purpose), daily activities, documentation of procedures, and environmental monitoring data;
- personnel log – All PSC personnel, contractors, or oversight present on-site during investigation activities; and
- sampling data log – Documentation of soil impacts observed during logging procedures, pre-sampling well development/evacuation data (applies to sampling monitoring wells).

Site activity entries were completed on a daily basis to record all relevant Site investigation information. The field logbook was kept throughout the field sampling operations to document relevant information concerning sample generation, preparation, and field data. All well development/flushing data, sampling activities, and measurement data, were recorded on specified forms. The original field data sheets became part of the permanent file for the investigation, and copies are included in Appendix B.

5 CHEMICAL ANALYTICAL RESULTS

Chemical analyses were performed on soil and groundwater samples obtained during off-site investigation activities completed during 2008. Samples were delivered under proper chain of custody to TekLab in Collinsville, Illinois. Analytical parameters included BTEX, PAHs, cyanide, metals (arsenic, chromium, and lead), f_{oc}, and pH. Analyses specific to each sample are discussed in subsequent sections. Samples of both liquid and solid investigation derived wastes were also collected and analyzed for disposal characteristics.

5.1 Analytical Program Summary

The off-site analytical program was developed to provide sufficient data to delineate off-site environmental impacts and facilitate comparison with Tier 1 ROs as presented in Tables 5-1 through 5-6. A third objective was to provide sufficient data to allow subsequent development of remedial objectives and a RAP.

Table 4-1 presents a summary of the offsite soil analytical program. The following is a summary of analyses completed for soil samples during the 2008 off-site investigation:

- BTEX (SW 846, Method 8260B) – 165 analyses
- PAHs (SW 846, Method 8270 SIMS) – 165 analyses
- Metals (SW 846, 6010B Series) –63 analyses
- Cyanide (SW 846, Method 9010/9014) – 63 analyses
- Fraction Organic Content (f_{oc}) (ASTM D2974-87) – 14 analyses
- pH (SW 846 Method 9045C) – 16 analyses
- OA1 (SW 846 8260B) – 1 analysis
- OA2 (SW 846 8015B) – 3 analyses

Based on the subsequent objective of evaluation in accordance with TACO guidance, the soil sample analytical data are divided into three general groups. These groups include surface (0- to 3-feet bgs), shallow subsurface (3- to 10-feet. bgs), and deep subsurface soils (greater than 10-feet bgs). The following subsections present a discussion of analytical results based on these depth intervals. A detailed evaluation of the results as compared to Tier 1 Remedial Objectives and exposure routes are presented in Section 6.

5.2 Surface Soil Results

Forty-four samples, not including two duplicates, were collected from the 0- to 3- foot depth interval during the investigation. All samples were analyzed for BTEX and PAHs, and twenty samples were analyzed for metals and cyanide.

5.2.1 BTEX and PAH Results

Table 5-1 presents a summary of BTEX and PAH results for all surface soil samples collected during the off-site investigation activities. Laboratory analytical data sheets for all soil samples are presented in Appendix D.

One elevated benzene concentration was detected on-site in boring B-829 located along the western Site boundary within the area of former MGP operations. No elevated BTEX concentrations were detected in off-site soils in the 0- to 3-foot depth interval.

Elevated or high levels of PAHs were detected in nine (two on-site and six off-site) of the surface soil samples collected. One of the samples was collected on-site along the southern boundary near former gas holder GH-2 from boring B-818. A second sample containing elevated levels of PAHs was collected from boring B-829 located along the western Site boundary. The highest PAH concentrations were detected in a soil sample retained from boring B-831, located on the west site of 5th Street approximately seventy feet west of the former main area of operations.

5.2.2 Metals and Cyanide Results

Table 5-2 presents results for metals and cyanide analyses for surface soil samples. Twenty surface soil samples were analyzed for arsenic, chromium, lead, and cyanide. Laboratory analytical data sheets are presented in Appendix D.

An elevated level of arsenic was detected in one surface soil sample collected from boring B-805, located to the north of the Site. Chromium was detected in one sample from boring B-839, located west of 5th Street approximately eighty feet west of the former main area of operations. Elevated lead levels were detected in seven soil samples. The highest lead concentration was detected in a soil sample retained from boring B-819, located south of the Site approximately sixty feet south of former gas holder GH-3.

5.3 Shallow Subsurface Soil Results

Fifty-one samples, not including one duplicate sample, were collected from the 3 to 10 ft depth interval during the 2008 investigation. All fifty-one samples were analyzed for BTEX and PAH constituents. Twenty-six samples were analyzed for arsenic, chromium, lead, and cyanide.

5.3.1 BTEX and PAH Results

Table 5-3 presents a summary of BTEX and PAH results for all shallow subsurface soil samples collected during off-site investigation activities. Laboratory analytical data sheets for all shallow subsurface soil samples are presented in Appendix D.

Elevated benzene levels were detected in samples from four off-site soil boring locations and three on-site locations. The highest BTEX concentrations were detected in samples retained from off-site boring B-831 which is located west of the

Site, and from on-site boring B-833 which is located along the western property boundary.

High PAH concentrations were detected in samples retained from borings B-800 and B-802 located to the north of the Site, boring B-831 located to the west of the Site, and boring B-833 located along the western boundary of the Site. Of the four borings, PAH concentrations from B-831 were the highest. No elevated PAH levels were detected to the south or east of the former MGP site in the 3- to 10-foot depth interval.

5.3.2 Metals and Cyanide Results

Table 5-4 presents results of analyses for metals and cyanide for shallow subsurface soil samples. Twenty-six shallow subsurface soil samples were analyzed for arsenic, chromium, lead, and cyanide. Laboratory analytical data sheets are presented in Appendix D.

One slightly elevated chromium concentration was detected in a sample retained from boring B-839, located to the west of the Site. No high levels of metals or cyanide were identified in any other sample from the 3- to 10-foot depth interval.

5.4 Deep Subsurface Soil Results

Sixty-six soil samples, not including two duplicates, were collected from a depth of greater than 10- feet bgs during the 2008 investigation. All sixty-six samples were analyzed for BTEX and PAH constituents. Nineteen samples were analyzed for arsenic, chromium, lead, and cyanide.

5.4.1 BTEX and PAH Results

Table 5-5 presents a summary of BTEX and PAH results for all deep subsurface soil samples collected during off-site investigation activities. Laboratory analytical data sheets for all soil samples are presented in Appendix D.

Elevated levels of one or more BTEX parameter was reported in twenty out of the sixty-eight deep subsurface soil samples. The highest BTEX concentrations were detected in samples retained from boring B-850, located to the north of the Site in the railroad right-of-way.

At least one elevated PAH constituent was reported in sixteen of the sixty-eight deep subsurface soil samples. The highest PAH concentrations were detected in samples retained from soil boring B-850.

5.4.2 Metals and Cyanide Results

Table 5-6 presents results of analyses for metals and cyanide for deep subsurface soil samples. Nineteen deep subsurface soil samples were analyzed for arsenic, chromium, lead, and cyanide. Laboratory analytical datasheets are presented in Appendix D.

No elevated levels of metals or cyanide were detected in samples collected from the greater than 10-foot depth interval.

5.5 Total Petroleum Hydrocarbons

Visual and olfactory observations during logging of four soil borings north and northwest of the Site indicated a diesel-like substance present in surface and shallow subsurface soils. Based upon these observations, three soil samples were analyzed for total petroleum hydrocarbons (TPH).

Diesel fuel and motor oil were detected in soil samples retained from boring B-834. The gasoline range organics (GRO) concentration was 14.90 mg/kg. Diesel fuel was also detected in samples retained from borings B-847 and B-850, as well as motor oil in boring B-850. Copies of the analytical results for the analyses are included in Appendix D.

5.6 Groundwater Results

Twenty-four wells were sampled in May 2008 and were analyzed for BTEX, PAHs, metals (arsenic, chromium, lead), and cyanide. Two duplicate samples were also collected for QA/QC purposes. Analytical results are presented in Table 5-11. Laboratory analytical data sheets are presented in Appendix E.

Samples collected from well UMW-114 (located on-site near former gas holder GH-3) contained elevated concentrations of benzene, ethylbenzene, naphthalene, and cyanide. Samples collected from well UMW-302 located south of the Site also contained elevated levels of benzene and naphthalene.

Groundwater results from the 2004 CSI are presented in Table 5-10 for comparison purposes.

5.7 QA/QC Analytical Summary

Duplicate samples were collected for both soil and groundwater samples. Duplicate soil samples are presented with off-site investigation sample results in Tables 5-1 through 5-6. It is noted that due to the lack of homogeneity of soil materials, duplication of analytical results is virtually impossible. In general, the correlation between the primary sample results and duplicate sample results is good. The BTEX and PAH constituents identified in most samples and the levels identified in the duplicate are consistent with levels in the primary sample. Complete laboratory results for all duplicate soil samples are included in Appendix D. Analytical results for duplicate groundwater samples are included in Table 5-11. Laboratory QA/QC reports for all soil analyses are presented in Appendices D and E.

5.8 Geotechnical Parameters

Fourteen samples were analyzed for f_{oc} and sixteen samples were analyzed for pH during 2008. The laboratory results are presented on tables 5-7 through 5-9. Geotechnical data

will be utilized for a vapor intrusion sampling event at a few residential locations that will be conducted as a follow up to the off-site investigation.

6 ENDANGERMENT ASSESSMENT

This section presents a summary of the history and findings from previous investigations in addition to the results of the off-site investigation activities as required in IAC Section 740.425(b)(5). Potential exposure routes are discussed, taking into consideration Site conditions and features affecting chemical constituent movement within the environment (i.e. chemical transport). Table 6-1 presents the MGP constituents of concern (COC) that have been identified during the off-site investigation. Analytical results are compared to the Tier 1 ROs for all potential exposure pathways.

6.1 Recognized Environmental Conditions

Historical information relative to the Site indicates that gas was manufactured on the Site as early as 1869 and continued through 1933 (i.e. at least 64 years). Gas was produced by coal carbonization, oil gasification, and carbureted water gas methods during various periods of operation. After operations ceased in 1932 or 1933, the plant was maintained for stand-by production purposes until about 1955. Plant facilities were demolished, with the exception of the booster house, between 1955 and 1960. Although the property remained vacant, AmerenIP maintained ownership of the property until 1979 when it was sold to the American Legion. AmerenIP repurchased the property from the American Legion in 1991 after preliminary environmental investigations indicated the presence of MGP related impacts at the Site. Additional historical information for the former MGP was presented in the CSIR dated December 2007.

Based on historical data and observations during previous activities, RECs were identified and the 2004 CSI activities were completed to define those conditions. Figure 2-1 illustrates approximate locations of historical MGP structures on the Site. The following sections discuss environmental conditions that exist at the Site as determined during CSI activities.

6.1.1 Former Tar Wells

Three tar wells (TW1, TW2, and TW3) have been identified at the Site. TW1 and TW2 had diameters measuring approximately 10.7 feet. TW1 was covered with a brick and concrete lid approximately 8-inches thick that was supported by rails. Above the lid was a concrete foundation 12-inches thick containing metal rebar. The tops of TW1 and TW2 were located approximately two feet bgs, and their bottoms were located at approximately ten feet bgs. The walls and floors were constructed of brick and mortar. Tar well TW3 had a diameter measuring 19.3 feet wide, and a depth measuring 10 feet bgs. The walls were constructed of brick and mortar and the bottom was constructed of 6-inches of concrete. The environmental impacts from these tar wells would have been from releases through the sides and bottom. The material from each of the three tar wells has been removed; therefore, these structures no longer serve as a source for continued release.

6.1.2 Former Tar Separator

One tar separator was previously identified at the Site. The dimensions of the separator were approximately 10 feet in diameter with depths of 6 to 10.5 feet bgs. The walls and base were constructed of concrete with interior wooden baffles. The upper two feet contained clean fill material with the remainder of the backfill saturated with fluid tar. The valve box was located east of the separator and was approximately 9 feet wide on each side with brick walls extending to 5 feet bgs. The floor of the separator consisted of only native clay till material. Environmental impacts related to this structure could have been from releases of source material through the base of the separator, the valve box, or from piping. The contents of the separator were removed in 1997; therefore, this structure no longer serves as a source for further releases.

6.1.3 Former Purifiers

Three concrete purifier pads were previously identified at the Site. Purifier waste consisted mainly of wood shavings, coal, and cinders. Releases from purifiers would primarily have been cyanide and other inorganic constituents. The contents and pad structures have been removed; therefore, they no longer serve as a source for further release.

6.1.4 Former Gas Holder Tank GH-1

Gas holder tank GH-1 was constructed prior to 1869 and was converted to a tar well in 1924. This below ground structure contained a significant quantity of source material and was the primary focus of the IRM removal actions in 1997. The prior release of MGP related material could have occurred through the base or sidewalls of the structure or from underground piping going into the structure. The contents of GH-1 were removed in 1997; thus mitigating further releases to the subsurface.

6.1.5 Former Gas Holder Tank GH-2

Gas holder tank GH-2 was constructed prior to 1902 and was the focus of CSI test pit and boring activity. Based on the Site history and the period of operation, this gas holder tank may have been used as a relief holder during part of the operation. Evidence from the 2004 CSI appears to indicate that this former gas holder was a belowground structure, with confirmed presence of the structures including walls, valve pit, and piping. No solid bottom was encountered. CSI soil sample analytical results indicate significant levels of MGP impacts within the GH-2 gas holder tank. Potential environmental impacts related to this structure will be addressed in the ROR and RAP. This structure will be a primary focus during future remedial activities.

6.1.6 Former Gas Holder Tank GH-3

Gas holder tank GH-3 was constructed between 1909 and 1915. Historical photographs indicate that the tank was constructed above grade on a concrete slab.

The foundation slab and both inlet and outlet valve pits were located during CSI activities. The bottom of the valve pits is about 8.5 feet bgs and both pits contained some tar-like liquid. Potential environmental impacts related to this structure will be addressed in the ROR and RAP.

6.1.7 Former Oil and Diesel Storage Tanks

Seven above grade oil and diesel storage tanks were located along the southwest property line from the early 1920s until plant demolition in the 1950s. In addition, other oil storage tanks on the northern portion of the property were used at various times during the operation of the MGP. Environmental impacts from these structures could be related to piping and accidental spillage and would most likely have been either surface or shallow subsurface releases. The decommissioning and removal of these structures in the late 1950s has served to eliminate any continued releases from the former aboveground tanks. The CSI analytical results confirmed the presence of some minor impacts near the southwest property fence-line.

6.1.8 North Property Line

The northern AmerenIP property line extends from Sixth Street just north of vacated Hill Street northeast along the railway to the alley, and continues west along the alley to Fifth Street. No MGP activities occurred north of the railroad tracks; however, impact appears to have migrated to that area. CSI test pit and boring activities focused on locating an environmental pathway from the Site MGP operations to the north side of the railroad tracks. Impact was observed north of the railroad right-of-way during the 2008 off-site investigation activities; however, no potential point source was identified.

6.1.9 East Property Line and Former Gas Experiment Station

The eastern property line extends from the railway south down the center of Sixth Street to the active alley. MGP-related impact was identified in a monitoring well located in the vacated Sixth Street right-of-way on the current eastern boundary of the AmerenIP property. Historical MGP activities did not occur in this area; however, the "Gas Experiment Station of the University of Illinois" was located near the northeast corner of the AmerenIP property and MGP impact appears to have migrated into the vacated Sixth Street right-of-way. In addition, a sixteen-inch diameter gas main is known to exist within the vacated Sixth Street right-of-way. The gas main was used for the distribution of gas and is not believed to contain tar, but it will be investigated during the Remedial Action.

6.1.10 Vacated Hill Street Right-Of-Way

Although no actual MGP operations activities occurred in the Hill Street right-of-way, gas mains were located within the right-of-way and piping between various operations was buried under the street. Due to impacts identified during CSI activities in borings and test pits located within the right-of-way, Hill Street is

identified as a REC. Impacts observed within the right-of-way could be from piping, incidental spillage, or migration from other MGP structures and operations.

6.2 Nature and Extent of Impact

This section provides a discussion of the nature and extent of environmental impacts to the off-site media. IAC Section 740(b)(5)(C) requires definition of the degree and extent of impact as well as evaluation of potential fate and transport. Soil analytical results have been compared to TACO Tier 1 ROs for all pathways and property uses. Groundwater analytical results have been compared to Class I groundwater ROs.

Impacts exceeding the Tier 1 ROs exist off-site for both soil and groundwater. The following subsections describe the degree and extent of the impacts with respect to depth and location relative to the former MGP site. The first five sections discuss the properties to the north, west, east, south, and northwest of the Site. The sixth subsection presents an evaluation of groundwater.

6.2.1 Properties North of the Former MGP

Nineteen soil borings were drilled to the north of the railroad right-of-way north of the former MGP Site as illustrated in Figure 3-1. Samples were collected from each of the three depth intervals (0- to 3-feet bgs, 3- to 10-feet bgs, and greater than 10-feet bgs.) and analyzed for BTEX, PAHs, metals, and cyanide. The following subsections present the Tier 1 screening results for adjacent properties to the north by depth interval.

Surface Soil Impact Assessment (0- to 3-Feet)

Analytical results for BTEX and PAH constituents for surface soil samples collected during the 2008 off-site investigation are presented in Table 5-1. Constituents that exceed the Tier 1 ROs for inhalation, ingestion, and/or the soil to groundwater pathway for all property scenarios are identified. Results from the 2004 CSI for this area are included in the table for reference.

The boring B-800 sample from 2- to 3-feet contained ingestion exceedances for benzo(a)pyrene, benzo(b)fluoranthene, and dibenzo(a,h)anthracene. Samples collected from boring B-802 had benzo(b)fluoranthene and dibenzo(a,h)anthracene results that exceeded Tier 1 ROs for ingestion. Analytical results for both borings were marginally higher than the PAH background levels for metropolitan areas published by the IEPA. No BTEX constituents were found to exceed the ingestion RO for surface soils to the north of the MGP Site. Figure 6-1 identifies the boring locations that exceed one or more Tier 1 RO for BTEX and PAHs in surface soils. Given the ubiquitous nature of PAHs in the environment and the presence of several urban sources of PAHs in the immediate vicinity of the site, these PAHs are not necessarily attributable to the MGP.

Table 5-2 presents analytical results for metals and cyanide for surface soil samples. One ingestion exceedance for arsenic was identified in boring B-805 located north of the former MGP Site near the southwest corner of Sixth and Washington Streets.

Exceedances of the soil component to groundwater ingestion pathway for lead were identified at five locations north of the railroad right-of-way from borings B-803, B-804, B-805, B-844, and B-849. Figure 6-2 identifies the boring locations that exceed one or more Tier 1 RO for metals and cyanide in surface soils.

Shallow Subsurface Soil Impact Assessment (3- to 10-Feet)

Analytical results for BTEX and PAH constituents for shallow subsurface soil samples are presented in Table 5-3. Constituents that exceed the Tier 1 ROs for inhalation, ingestion, and/or the soil to groundwater pathway for all property uses are identified. Results from the 2004 CSI are also included.

Exceedances of the soil ingestion RO for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenzo(a,h)anthracene were identified in borings B-800 and B-802. Benzo(a)anthracene also exceeded the soil component to groundwater ingestion RO for both samples. Benzene was the only constituent that exceeded the Tier 1 RO for the soil inhalation exposure pathway, at only one location (B-802) with a concentration of 1.92 mg/kg.

One benzene exceedance was identified in boring B-846 from 8.5 to 9.5 feet bgs for the soil component to groundwater exposure pathway. Figure 6-3 identifies the boring locations that exceed one or more Tier 1 RO for BTEX and PAHs in shallow subsurface soils.

Table 5-4 presents analytical results for metals and cyanide for shallow subsurface soil samples collected during the off-site investigation. No exceedances of Tier 1 ROs were identified for shallow subsurface soils north of the MGP Site. Figure 6-4 identifies boring locations that exceed one or more Tier 1 RO for metals and cyanide in shallow subsurface soils.

Deep Subsurface Soil Impact Assessment (Greater Than 10-Feet)

Analytical results for BTEX and PAH constituents for deep subsurface soil samples are presented in Table 5-5. Constituents that exceed the Tier 1 RO for inhalation, ingestion, and/or the soil to groundwater pathway for all property use scenarios are identified. Results from the 2004 CSI are also included. Analytical results for the deep subsurface soil samples identified greater extent of impact than samples from surface and shallow subsurface soils.

Exceedances of the ingestion and soil component to groundwater ROs for at least five constituents were identified at three locations: B-802, B-850, and B-835. Samples from B-802 (14.5'-15.5') and B-835 (28.0'-29.0') also had exceedances for the soil inhalation pathway for four constituents. Samples from B-850 (16.0'-17.0') contained inhalation exceedances for three constituents.

Soil component to groundwater and inhalation exceedances were identified in results from borings B-803, B-844, B-846, B-847, and B-849. Figure 6-5 identifies

the boring locations that exceed one or more Tier 1 RO for BTEX and PAHs in deep subsurface soils.

Table 5-6 presents analytical results for metals and cyanide for deep subsurface soil samples collected during the off-site investigation. No exceedances of Tier 1 ROs for metals or cyanide were identified in deep subsurface soils north of the Site.

6.2.2 Properties West of the Former MGP

Fourteen soil borings were drilled to the west or along the western property boundary of the former MGP Site. Samples were collected from each of the three depth intervals (0- to 3-feet bgs, 3- to 10-feet bgs, and greater than 10-feet bgs) and were analyzed for BTEX, PAHs, metals, and cyanide. The following subsections present the Tier 1 screening results for adjacent properties to the west by depth interval.

Surface Soil Impact Assessment

Analytical results for BTEX and PAH constituents for surface soil samples collected during the off-site investigation are presented in Table 5-1. Soil samples collected from boring B-829 (2- to 3-feet) contained ingestion and soil component to groundwater exceedances for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and naphthalene. Benzene was the only BTEX constituent that exceeded the Tier 1 RO for soil component to groundwater in that sample.

Results from B-831 (1- to 3-feet) and B-833 (2- to 3-feet) had exceedances of five PAH constituents for the soil ingestion exposure pathway, and three constituents for the soil component to groundwater pathway. Figure 6-1 identifies the boring locations that exceed one or more Tier 1 RO for BTEX and PAHs in surface soils.

Table 5-2 presents analytical results for metals and cyanide for surface soils collected during the off-site investigation. The only exceedance of the soil component to groundwater pathway for chromium was identified in B-839 (2-to 3-feet). Figure 6-2 identifies the boring locations that exceed one or more Tier 1 RO for metals and cyanide in surface soils.

Shallow Subsurface Soil Impact Assessment (3- to 10-Feet)

Analytical results for BTEX and PAH constituents for shallow subsurface soil samples are presented in Table 5-3. Constituents that exceed the Tier 1 ROs for inhalation, ingestion, and/or the soil to groundwater pathway for all property uses are identified.

Exceedances of one or more Tier 1 RO were identified in borings B-828, B-829, B-831, and B-833. The greatest level of impact containing exceedances for the soil ingestion, inhalation, and soil component to groundwater ingestion pathways occurred in borings B-831 and B-833. Samples exceeded Tier 1 ROs for three or more constituents for every exposure pathway. Figure 6-3 identifies the boring

locations that exceed one or more Tier 1 RO for BTEX and PAHs in shallow subsurface soils.

Table 5-4 presents the analytical results for metals and cyanide for shallow subsurface soils. One chromium exceedance was identified to exceed the Tier 1 RO for the soil component to groundwater pathway in boring B-839. Figure 6-4 identifies the boring locations that exceed one or more Tier 1 RO for metals and cyanide in shallow subsurface soils.

Deep Subsurface Soil Impact Assessment (Greater Than 10-Feet)

Analytical results for BTEX and PAH constituents for deep subsurface soil samples are presented in Table 5-5. Constituents that exceed the Tier 1 RO for inhalation, ingestion, and/or the soil to groundwater pathway for all property use scenarios are identified. Extent of impact appeared to be greater in deep subsurface soils than in any other depth interval.

The greatest level of impact was identified in samples from B-831, B-833, and B-838. Tier 1 exceedances of eight or more constituents were identified in samples from all three borings. Figure 6-5 identifies the boring locations that exceed one or more Tier 1 RO for BTEX and PAHs in deep subsurface soils.

Table 5-6 presents the analytical results for metals and cyanide for deep subsurface soils. No Tier 1 exceedances were identified for metals and cyanide west of the MGP Site.

6.2.3 Properties South of the Former MGP

Twelve soil borings were drilled south or along the southern boundary of the MGP Site. Samples were collected from each of the three depth intervals (0- to 3-feet bgs, 3- to 10-feet bgs, and greater than 10-feet bgs) and analyzed for BTEX, PAHs, metals, and cyanide. The following subsections present the Tier 1 screening results for adjacent properties to the south by depth interval.

Surface Soil Impact Assessment (0- to 3-Feet)

Analytical results for BTEX and PAH constituents for surface soil samples collected during the off-site investigation are presented in Table 5-1. Constituents that exceed the Tier 1 ROs for inhalation, ingestion, and/or the soil component to groundwater pathway for all property scenarios are identified.

Tier 1 exceedances were identified in samples from two borings, B-818 and B-821. B-818 (2.0'-3.0') contained ingestion and soil component to groundwater exceedances for benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene. Exceedances for the soil ingestion exposure route for dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene were also identified. One exceedance for naphthalene was identified in B-821 for the soil inhalation exposure pathway. Figure 6-1 identifies boring locations that exceed one or more Tier 1 RO for surface soils.

Table 5-2 presents the analytical results for metals and cyanide for surface soil samples. Tier 1 lead exceedances were identified for the soil ingestion and soil component to groundwater exposure pathways in B-819. A lead exceedance was also identified in boring B-824 for the soil component to groundwater pathway. Figure 6-2 identifies the boring locations that exceed one or more Tier 1 RO for metals and cyanide in surface soils.

Shallow Subsurface Soil Impact Assessment (3- to 10-Feet)

Analytical results for BTEX and PAH constituents for shallow subsurface soil samples collected during the off-site investigation are presented in Table 5-3. Constituents that exceed the Tier 1 ROs for inhalation, ingestion, and/or the soil component to groundwater pathway for all property scenarios are identified.

One benzene exceedance for the soil component to groundwater exposure pathway was identified in boring B-818. It should be noted that the method detection limit for the sample is higher than the Tier 1 RO due to matrix interference and the exceedance may not be actual. No other exceedances were identified. Figure 6-3 identifies the boring locations that exceed one or more Tier 1 RO for BTEX and PAHs in shallow subsurface soils.

Table 5-4 presents the analytical results for metals and cyanide for shallow subsurface soil samples. No Tier 1 exceedances for metals and cyanide were identified south of the MGP Site. Figure 6-4 identifies the boring locations that exceed one or more Tier 1 RO for metals and cyanide in shallow subsurface soils.

Deep Subsurface Soil Impact Assessment (Greater Than 10-Feet)

Analytical results for BTEX and PAH constituents for deep subsurface soil samples are presented in Table 5-5. Constituents that exceed the Tier 1 RO for inhalation, ingestion, and/or the soil to groundwater pathway for all property use scenarios are identified.

Benzene exceedances for the soil component to groundwater pathway were identified in samples from borings B-817 and B-818. Benzene and naphthalene exceedances for the soil inhalation exposure pathway were also identified in boring B-818. No other BTEX or PAH exceedances were identified.

Table 5-6 presents the analytical results for metals and cyanide for deep subsurface soils. No exceedances were identified south of the MGP Site.

6.2.4 Properties East of the Former MGP

Five soil borings were drilled to the east of the former MGP Site during the off-site investigation. Samples were collected from each of the three depth intervals (0- to 3-feet bgs, 3- to 10-feet bgs, and greater than 10-feet bgs.) and analyzed for BTEX, PAHs, metals, and cyanide. The following subsections present the Tier 1 screening results for adjacent properties to the east by depth interval.

Surface Soil Impact Assessment (0- to 3-Feet)

Exceedances of the soil ingestion exposure pathway were identified in soil samples collected from boring B-809. The exceedances were for the following four PAH constituents: benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene. No other BTEX or PAH exceedances were identified east of the Site during the off-site investigation. Figure 6-5 identifies the boring locations that exceed one or more Tier 1 RO for BTEX and PAHs in surface soils.

Table 5-2 presents the analytical results for metals and cyanide for surface soils. No Tier 1 exceedances for metals and cyanide were identified east of the Site.

Shallow Subsurface Soil Impact Assessment (3- to 10-Feet)

Analytical results for BTEX and PAH constituents for shallow subsurface soil samples collected during the off-site investigation are presented in Table 5-4. Constituents that exceed the Tier 1 ROs for inhalation, ingestion, and/or the soil component to groundwater pathway for all property scenarios are identified. No BTEX or PAH exceedances were identified in shallow subsurface soils to the east of the Site during the off-site investigation.

Table 5-4 presents the analytical results for metals and cyanide for shallow subsurface soils. No Tier 1 exceedances were identified east of the Site.

Deep Subsurface Soil Impact Assessment (Greater Than 10-Feet)

Analytical results for BTEX and PAH constituents for deep subsurface soil samples are presented in Table 5-5. Constituents that exceed the Tier 1 RO for inhalation, ingestion, and/or the soil to groundwater pathway for all property use scenarios are identified. No BTEX or PAH exceedances were identified in deep subsurface soils to the east of the Site during the off-site investigation.

Table 5-6 presents the analytical results for metals and cyanide for deep subsurface soils. No Tier 1 exceedances were identified east of the Site.

6.2.5 Properties Northwest of the Former MGP

Three borings (B-834, B-836, and B-837) were drilled to the northwest of the former MGP Site. Observations made during logging were the basis for performing additional analyses on these borings. A diesel-like substance was observed in the samples; therefore, samples were analyzed for diesel fuel, motor oil, mineral spirits, kerosene, methyl-tertiary-butyl-ether (MTBE) and gasoline range organics. Samples were also analyzed for BTEX and PAHs. Copies of the laboratory data sheets are included in Appendix D.

Exceedances for the soil inhalation exposure pathway were identified in sample B-834 (15- to 16-feet). One exceedance for the soil component to groundwater (benzene) was also identified. Boring B-834 also contained diesel fuel and motor oil above method detection limits as discussed in Section 5.

Boring B-836 was logged during the investigation; however, no samples were submitted to the laboratory for analysis due to its offset location and perceived non-MGP association. Observations by the site geologist during logging indicated diesel-like impact and odor.

No exceedances of Tier 1 ROs were identified in samples from boring B-837.

6.2.6 Potential Source Determination

IAC Section 740.420(b)(2) requires characterization of source and potential sources of RECs. This section presents an evaluation of analytical data with respect to IAC Section 742.305 for contaminant source and free product determination.

IAC Section 742.215 requires determination of soil attenuation capacity by evaluation of natural organic carbon fraction data, TPH data and/or total organic carbon concentration (OCC). During 1996 twelve soil samples were collected from four probeholes completed at the Site. Probeholes were located near the four corners of the AmerenIP property. Three samples were collected from each location; one sample from the surface soil, one from the three foot to ten foot interval, and one from below ten feet. All samples were analyzed for total organic carbon using Method 415.1. Table 6-2 presents analytical results for total organic carbon (TOC).

Table 6-2 also presents information on soil type for the various depth intervals. All samples collected from the one foot interval were described as fill material containing coal, cinders, etc.; therefore the default value of 6,000 mg/kg was used to evaluate potential source materials from the surface soil interval (i.e. 0-3'). Sample groups for the three to ten foot and greater than ten foot interval each included one sample with the TOC result considerably higher than the remaining samples. The conservative assumption to exclude these samples was made. The TOC average for the three to ten foot interval is 2,370 mg/kg, compared to the default value of 2,000 mg/kg. The TOC average for greater than ten foot interval is 4,293 mg/kg, compared to the default value of 2,000 mg/kg.

TPH results and total organic carbon concentration for CSI samples were compared to these TOC values. Table 6-3 presents a summary of those samples and includes location, depth, and TPH results. Based on the results presented in Tables 6-2 and 6-3, potential source materials are present on the Site at depths ranging from two feet to twenty-four feet bgs. These samples tend to represent the central and north central area of the AmerenIP property and the area of the railroad right-of-way. Three samples from one location (B-504) represent potential source material at depths of three feet, seven feet, and twenty-one feet. Samples from B-553 represent depths of five to six feet and twenty-four feet.

IAC Section 742.305(b) also requires evaluation of source and free product determination by comparison of analytical results to soil saturation limits. This

comparison resulted in no additional sample locations being identified as potential source material.

6.2.7 Groundwater Assessment

Groundwater monitoring wells were installed at and around the Site during the Phase II investigation, and a groundwater sampling plan has been in place since 1996. Thirteen additional wells were installed during the off-site investigation. The following sections present a summary of groundwater results from July 2004, September 2007, and May 2008. Additional groundwater data is presented in the CSIR.

July 2004 Data

Groundwater impact has been identified in three of the on-site monitoring wells and two of the off-site monitoring wells. Six constituents have been identified that exceed the Tier 1 ROs or the Groundwater Quality Standards for Class I Groundwater. Analytical results for the CSI groundwater sampling event are presented in Table 5-10. As noted previously, groundwater samples were analyzed only for BTEX and PAH constituents. These results were compared to the Class I groundwater standards and exceedances are highlighted on Table 5-10. Historical groundwater samples are also presented in Table 5-10.

Benzene was detected in five wells (UMW-107, UMW-110, UMW-113, UMW-114, and UMW-115) at concentrations that exceed the Class I RO: Three wells on the south portion of the AmerenIP property, one well in the vacated Sixth Street right-of-way at the northeast corner of the Site, and one well in Hill Street west of the Site.

Toluene was detected in UMW-114 at a concentration that exceeded the Class I RO.

Naphthalene was detected in two wells (UMW-113 and UMW-114) at concentrations that exceed the Class I ROs.

Phenanthrene and pyrene was detected in UMW-113 at concentrations that exceed their respective Class I RO.

September 2007 Data

Groundwater impact has been identified in two of the on-site monitoring wells and one of the off-site monitoring wells.

Four constituents have been identified that exceed the Tier 1 ROs or the Groundwater Quality Standards for Class I Groundwater. Analytical results are presented in Table 5-10. As noted previously, groundwater samples were analyzed only for BTEX and PAH constituents. These results were compared to the Class I groundwater standards and exceedances are highlighted on Table 5-10.

Benzene was detected in three wells (UMW-107, UMW-114, and UMW-115) at concentrations that exceed the Class I RO.

Ethylbenzene was detected in well (UMW-114) at a concentration that exceeds the Class I RO.

Naphthalene was detected in UMW-107 and UMW-114 at a concentration that exceeds the Class I RO.

The general trend of benzene shows a slight increase in concentration from December 2004 through September 2007.

The ethylbenzene and naphthalene concentrations stay relatively consistent showing slight increases and decreases between sampling events.

Benzo(a)anthracene in UMW-114 was detected at a concentration that exceeds the Class I RO.

May 2008 Data

Groundwater impact has been identified in six of the wells installed during the Phase II investigation and in four of the wells installed during the off-site investigation.

Benzene was detected in five wells (UMW-107, UMW-110, UMW-114, UMW-302, and UMW-304) at concentrations that exceed the Class I RO. Ethylbenzene was detected in well UMW-114 with a concentration of 1.230 mg/L, which exceeds the Class I RO of 0.70 mg/L. No other BTEX constituents were identified above method detection limits.

Benzo(a)anthracene was detected in UMW-110 at a concentration (0.00019 mg/L) that exceeds the Class I RO. Naphthalene was detected above the Class I RO in UMW-114 and UMW-302. No other PAH constituents were identified in groundwater above method detection limits. It should be noted that laboratory method detection limits for some compounds are higher than Class I standards for groundwater.

One lead exceedance was identified in UMW-118, and cyanide exceedances were identified in wells UMW-106, UMW-107, UMW-110, UMW-113, UMW-114, UMW- 115, and UMW-121.

7 CSI SUMMARY AND CONCLUSIONS

Numerous phases of investigation and remediation have been completed at the AmerenIP Champaign MGP Site in Champaign, Illinois. This site was the location of manufactured gas production for more than sixty years. Sufficient data has been collected to show that impacted soils exceeding Tier 1 ROs are present on the remediation Site and on adjacent off-site properties. This section provides a summary of degree and extent of impacts and provides several figures to illustrate the extent of MGP residuals present at the Site.

The extent of impact is based primarily upon a comparison of BTEX and PAH results to Tier 1 ROs. While these constituents are present within MGP residual materials, their presence may also be derived from other non-MGP sources. No attempt has been made to differentiate or determine the possible sources for these constituents.

7.1 Horizontal Extent of Soil Impact

Figures 6-1, 6-3, and 6-5 illustrate the results of the Tier 1 RO comparison for BTEX and PAH constituents for soil by depth interval. Boring locations that exceed Tier 1 ROs for one or more exposure pathway are highlighted in red. These figures illustrate the wide spread nature of soil impact. Impact is present on some residential properties to the north, west, and south and commercial properties to the east of the Site. Off-site impacts appear greater in concentration and area to the north and west of the Site, which is consistent with the direction of shallow groundwater flow.

7.2 Vertical Extent of Soil Impact

Analytical results and field observations indicate that the highest levels of impact are present in the deep subsurface soils (greater than 10-feet in depth.) Nine borings north of the Site contained MGP residual impact at greater than 10-feet; four borings had impact in the 3- to 10-foot depth, and three contained impact in the 0- to 3-foot depth interval.

Three borings west of the Site contained impact in the 0- to 3-foot depth interval, four borings were impacted in the 3- to 10-foot depth interval, and five contained impact in the greater than 10-foot depth interval,

Two borings located south of the Site contained MGP residual impact on the 0- to 3-foot depth interval; one boring had impact in the 3- to 10-foot depth interval, and two borings contained impact in the greater than 10-foot depth interval.

Only one boring east of the Site (B-809) had residual impact. Exceedances for four PAH constituents were identified in the 0- to 3-foot depth interval.

Boring B-834 located northwest of the Site exhibited MGP residual impacts in two depth zones: 11.5- to 12.5-feet and 15- to 16-feet.

7.3 Groundwater Impact

Groundwater impact was detected in ten wells during the off-site investigation, including one off-site well to the north and east, two off-site wells to the south and west, and four on-site wells. Impact was identified at both shallow and intermediate depths.

MGP-related constituents identified in groundwater consisted of benzene, ethylbenzene, benzo(a)anthracene, naphthalene, cyanide, and lead. Benzene was detected in three off-site wells at concentrations that exceed the Class I RO for groundwater. Ethylbenzene was detected in only one on-site well (UMW-114) located south of former gas holder GH-3. Benzo(a)anthracene was detected in samples from only one off-site well (UMW-110) located immediately east of the former "Gas Experiment Station of the University of Illinois." Naphthalene was detected in one on-site well (UMW-114) and one off-site well (UMW-302) at concentrations that exceed the Class I RO. Cyanide was detected in seven wells, including four off-site wells and three on-site wells. Lead was detected in only one off-site well (UMW-118) located north of the Site.

7.4 Meeting No Further Remediation Requirements

AmerenIP has presented to the IEPA an evaluation of the extent of off-site MGP impact surrounding the former MGP site at 308 N. 5th Street in Champaign, Illinois. The extent is based upon a comparison of analytical results to the TACO Tier 1 Remedial Objectives. Measures that may be implemented to address off-site impact include the following:

- Calculation of Tier 2 or Tier 3 ROs;
- Remediation through excavation and disposal of impacted soils;
- Vapor Intrusion evaluation for residential properties;
- Implementation of engineered barriers, Highway Authority Agreements (HWA) for MGP related impact under 5th and 6th Streets, Environmental Land Use Controls (ELUCs), and/or prohibiting the use of groundwater underlying the Site.

Proposed remedial activities to be implemented in order to meet NFR requirements will be discussed in detail in the subsequent ROR and RAP.

8 ILLINOIS LICENSED PROFESSIONAL GEOLOGIST REVIEW

For those portions of the work performed before my involvement:

I have reviewed documentation of the prior investigation and interim remedial measure activities and believed the documentation is suitable for compliance with 35 Ill. Adm. Code 740 developed in conjunction with the use of accepted engineering and geological standards, and the information presented is accurate and complete.

Signature: _____

Derek D. Ingram, P.E., P.G.
Licensed Professional Geologist

Date: 8-22-08

License No. 196-000718 / 0062-051578

License Expiration Date: 3-31-09 / 11-30-09

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List of Abbreviations and Acronyms

BGS – Below Ground Surface
BLS – Below Land Surface
BTEX – Benzene, Toluene, Ethylbenzene, and Xylenes
CN – Cyanide
COC – Constituents of Concern
CSI – Comprehensive Site Investigation
CSIR – Comprehensive Site Investigation Report
CSIWP – Comprehensive Site Investigation Work Plan
DNAPL – Dense Non-Aqueous Phase Liquid
DQO – Data Quality Objective
EDR – Environmental Data Resources
GC – Gas Chromatograph
IAC – Illinois Administrative Code
IEPA – Illinois Environmental Protection Agency
IRA – Interim Removal Action
IRM – Interim Remedial Measures
LUST – Leaking Underground Storage Tank
MGP – Manufactured Gas Plant
NAPL – Non-aqueous Phase Liquid
NFR – No Further Remediation
NGVD – National Geodetic Vertical Datum
NIWC – Northern Illinois Water Company
OCC – Organic Carbon Concentration
PA – Preliminary Assessment
PAH – Polycyclic Aromatic Hydrocarbon
QAPP – Quality Assurance Project Plan
RA – Remedial Applicant
RACR – Remedial Action Completion Report
RCRA – Resource Conservation and Recovery Act
RECs – Recognized Environmental Conditions
ROs – Remediation Objectives
ROR – Remedial Objectives Report
RECs – Recognized Environmental Conditions
SIR – Site Investigation Report
SIWP – Site Investigation Work Plan
SI – Site Investigation
SRP – Site Remediation Program
SSI – Supplemental Site Investigation
SVOCs – Semi-Volatile Organic Compounds
TACO – Tiered Approach to Corrective Action Objectives
TCLP – Toxicity Characteristic Leaching Procedure
TOC – Total Organic Carbon
TPH – Total Petroleum Hydrocarbons
UST – Underground Storage Tank
VOCs – Volatile Organic Compounds

List of Tables

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ES-1	Manufactured Gas Plant-Related Constituents of Concern
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3-1	Monitoring Well and Piezometer Construction Data
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5-2	Tier 1 ROs – Metals and Cyanide Results for 0 to 3 Feet Depth
5-3	Tier 1 ROs – BTEX and PAH Results for 3 to 10 Feet Depth
5-4	Tier 1 ROs – Metals and Cyanide Results for 3 to 10 Feet Depth
5-5	Tier 1 ROs – BTEX and PAH Results for Greater Than 10 Feet Depth
5-6	Tier 1 ROs – Metals and Cyanide Results for Greater Than 10 Feet Depth
5-7	Tier 1 ROs – f_{oc} and pH Results for 0 to 3 Feet Depth
5-8	Tier 1 ROs – f_{oc} and pH Results for 3 to 10 Feet Depth
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5-10	Groundwater Analytical Results: BTEX, PAHs, Metals - 2004
5-11	Groundwater Analytical Results: BTEX, PAHs, Metals, Cyanide - 2008
6-1	Manufactured Gas Plant-Related Constituents of Concern
6-2	TOC Sample Summary
6-3	Soil Attenuation Source Evaluation

TABLE ES-1
MANUFACTURED GAS-PLANT RELATED CONSTITUENTS OF CONCERN
OFF-SITE INVESTIGATION REPORT
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

SOIL	***GROUNDWATER***
Inorganics	**Inorganics**
Cyanide	Cyanide
Metals	**Metals**
Chromium	Lead
Lead	
Arsenic	
Volatile Aromatics	**Volatile Aromatics**
Benzene	Benzene
Ethylbenzene	Ethylbenzene
Toluene	
Total Xylenes	
Polycylic Aromatic Hydrocarbons	**Polycylic Aromatic Hydrocarbons**
Acenaphthylene	Benzo(a)anthracene
Benzo(a)anthracene	Naphthalene
Benzo(a)pyrene	
Benzo(b)fluoranthene	
Benzo(k)fluoranthene	
Dibenzo (a,h,)anthracene	
Indeno(1,2,3,cd)pyrene	
Naphthalene	
Phenanthrene	

TABLE 2-1
SINGLE WELL HYDRAULIC CONDUCTIVITY TEST RESULTS
PHASE II SI

CHAMPAIGN MGP SITE
CHAMPAIGN, ILINOIS
AMERENIP

Well No.	Depth Interval Monitored (feet bgs)	Monitored Zone Thickness (ft)	Hydraulic Conductivity (cm/sec)
UMW-102	7-22	15	5.93×10^{-5}
UMW-104	10-20	10	1.80×10^{-4}
UMW-106	10-20	10	1.21×10^{-6}
UMW-108	5-15	10	5.23×10^{-6}

bgs - below ground surface

Table 2-2
Groundwater Sample Analytical Results: BTEX and Naphthalene
Groundwater Monitoring Report: 1999

Illinois Power Company
Champaign Former MGP Site
Champaign, Illinois

Monitoring Well	Sampling Date		Concentration ug/L Benzene	Ethylbenzene	Toluene	Xylenes (Total)		Total BTEX	Naphthalene	
Tier 1 Remedial Objective			5	700	1,000	10,000			140	
UMW-102	02/03/97		ND(5)	ND(5)	ND(5)	ND(5)		0.0	ND(5)	
	05/07/97		ND(5)	ND(5)	ND(5)	ND(5)		0.0	ND(5)	
	08/04/97		ND(5)	ND(5)	ND(5)	ND(5)		0.0	ND(5)	
	11/03/97		ND(5)	ND(5)	ND(5)	ND(5)		0.0	ND(5)	
	02/02/98		ND(5)	ND(5)	ND(5)	ND(5)		0.0	ND(5)	
	05/04/98		ND(2)	ND(2)	ND(2)	ND(2)		0.0	ND(8.7)	*
	08/05/98		ND(2)	ND(2)	ND(2)	ND(2)		0.0	ND(5)	
	08/05/98	ls	ND(5)	ND(5)	ND(5)	ND(5)		0.0	ND(5)	
	11/10/98		ND(2)	ND(2)	ND(2)	ND(2)		0.0	ND(5)	
	03/25/99		ND(2)	ND(2)	ND(2)	ND(2)		0.0	ND(10)	
	06/16/99		ND(2)	ND(2)	ND(2)	ND(2)		0.0	ND(5)	
	09/14/99		ND(2)	ND(2)	ND(2)	ND(2)		0.0	ND(5)	
	12/09/99		ND(2)	ND(2)	ND(2)	ND(5)		0.0	ND(6)	
	03/02/00		ND(2)	ND(2)	ND(2)	ND(4)		0.0	ND(5)	
	06/15/00		ND(2)	ND(2)	ND(5)	ND(5)		0.0	ND(10)	
	09/26/00		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	12/27/00		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	03/08/01		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	06/25/01		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	09/06/01		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	12/06/01		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	03/06/02		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	06/04/02		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	09/04/02		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	12/05/02		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	03/12/03		2.3	5.9	ND(5)	4.1	J	12.3	18.1	
	06/12/03		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	03/02/04		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	05/25/04		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	07/26/04		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(3)	
	12/06/04		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	03/15/05		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	06/09/05		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	09/27/05		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	12/27/05		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	03/30/06		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	06/22/06		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	09/19/06		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	12/13/06		ND(2)	ND(5)	ND(5)	1.1		1.1	ND(10)	
	03/26/07		ND(2)	ND(5)	ND(5)	ND(5)		0.0	0.00013	
	06/14/07		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	09/21/07		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	12/19/07		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(10)	
	05/22/08		<0.0020	<0.0050	<0.0050	<0.0050		0	<0.0001	
UMW-104	07/26/04		ND(2)	ND(5)	ND(5)	1.4		1.40	ND(3)	
	03/27/07		ND(2)	ND(5)	ND(5)	ND(5)		0.0	ND(3)	
	05/22/08		<0.0020	<0.0050	<0.0050	<0.0050		0	<0.0001	
UMW-105	07/26/04		ND(2)	ND(5)	ND(5)	ND(5)		0.00	ND(3)	
	03/27/07		ND(2)	ND(5)	ND(5)	ND(5)		0.00	ND(3)	
	05/21/08		<0.0020	<0.0050	<0.0050	<0.0050		0	<0.0001	
UMW-106	07/26/04		ND(2)	ND(5)	ND(5)	ND(5)		0.00	ND(3)	
	03/26/07		ND(2)	ND(5)	ND(5)	ND(5)		0.00	ND(3)	
	05/21/08		<0.0020	<0.0050	<0.0050	<0.0050		0	<0.0001	

Table 2-2
Groundwater Sample Analytical Results: BTEX and Naphthalene
Groundwater Monitoring Report: 1999

Illinois Power Company
Champaign Former MGP Site
Champaign, Illinois

Monitoring Well	Sampling Date		Concentration ug/L Benzene		Ethylbenzene		Toluene		Xylenes (Total)		Total BTEX	Naphthalene	
Tier 1 Remedial Objective			5		700		1,000		10,000			140	
UMW-107	02/04/97		2,820		79.5	J	ND(125)		114	J	3014	75.3	
	02/04/97	d	3,060		84.8	J	ND(125)		120	J	3265	82.1	
	05/07/97		2,050		67.3		14.2		114		2246	90.6	
	08/05/97		2,460		79.8		15.4		111	J	2666	92.0	
	11/04/97		3,430		131		22.7	J	193		3777	130	
	02/02/98		2,910		106		19.6		160		3196	75.5	
	05/04/98		2,130		72.8		ND(50)		164		2367	85	
	05/04/98	d	1,870		61.6		ND(50)		139		2071	78	
	08/06/98		2,260		60.7		ND(50)		120		2441	ND(5)	
	11/10/98		4,110		146		ND(50)		220		4476	239	
	03/25/99		2,320		66.2		ND(50)		134		2520	ND(250)	
	06/16/99		1,220		ND(100)		ND(100)		144		1364	30	
	09/14/99		1,480		47		ND(20)		77.2		1604	265	
	12/08/99		3,160		136		ND(50)		209		3505	164	
	03/02/00		1,810		80.8		ND(20)		87.1		1978	152	
	06/15/00		652		115		15.4		178		960	212	
	09/26/00		4,840		236		ND(125)		370		5446	702	
	12/27/00		2,040		89.5		11.5		166		2307	207	E
	12/27/00	d	2,100		87.4		11.9		169		2368	198	
	03/08/01		329		ND(125)		ND(125)		68		397	38.1	
	06/25/01		1,170		58.9		7.6		134		1371	70.4	
	09/06/01		3,440		127		ND(125)		173		3740	172	
bailer	12/06/01		2,110		70	J	ND(125)		120	J	2300	167	
peristaltic	12/06/01	d	1,630		103		11.1		190		1934	154	
	03/06/02		800		52.9		5.4		119		977	35.2	
	06/04/02		704		41.9		5.0		103		854	86.6	
	09/04/02		2,290		110		ND(200)		170		2570	123	
	12/05/02		2,190		98	J	ND(200)		150	J	2438	181	
	03/12/03		2,000		150	J	ND(500)		290	J	2440	174	
	06/12/03		678		34	J	ND(125)		74	J	786	80.1	
	03/02/04		986		ND(50)		ND(50)		57		1043	83.7	
	05/25/04		694		18		ND(50)		59.4		753	52.4	
	07/26/04		760		ND(250		ND(250)		77		837	87.7	
	12/07/04		416		ND(250		ND(125)		49		465	59.7	
	03/15/05		589		36		4.0		64.1		653	53.2	
	06/09/05		549		27.8		ND(25)		49.2		598	59.4	
	09/27/05		344		17.1		2.6		32.1		376	58	
	12/27/05		859		46.5		5.4		54.4		913	130	
	03/30/06		231		18.6		<5		28.6		260	57.8	
	06/22/06		289		18.2		2.4		30.7		320	106	
	09/19/06		1,280		69.1		11.0		81.2		1361	180	
	12/13/06		812		44.1		7.1		55.2		867	47.7	
	03/27/07		0.308		0.015	J	ND(50)		0.024	J	0.332	0.0684	S
	06/14/07		798		32		ND(50)		43.0		841	170	
	09/21/07		544		31	J	ND(50)		42.0	J	586	118	
	09/21/07		1,020		55.7		ND(50)		71.5		1092	194	
	12/19/07		1,230		58	J	ND(500)		ND(250)		#VALUE!	100	J
	05/20/08		0.236		0.0082		<0.025		0.014		0.26	<0.0399	

Table 2-2
Groundwater Sample Analytical Results: BTEX and Naphthalene
Groundwater Monitoring Report: 1999

Illinois Power Company
Champaign Former MGP Site
Champaign, Illinois

Monitoring Well	Sampling Date		Concentration ug/L Benzene		Ethylbenzene		Toluene		Xylenes (Total)		Total BTEX	Naphthalene	
Tier 1 Remedial Objective			5		700		1,000		10,000			140	
UMW-108	02/03/97		ND(5)		ND(5)		ND(5)		ND(5)		0.0	ND(5)	
	05/07/97		ND(5)		ND(5)		ND(5)		ND(5)		0.0	ND(5)	
	05/07/97	d	ND(5)		ND(5)		ND(5)		ND(5)		0.0	ND(5)	
	08/04/97		ND(5)		ND(5)		ND(5)		ND(5)		0.0	ND(5)	
	11/03/97		ND(5)		ND(5)		ND(5)		ND(5)		0.0	ND(5)	
	02/02/98		ND(5)		ND(5)		ND(5)		ND(5)		0.0	ND(5)	
	05/04/98		ND(2)		ND(2)		ND(2)		ND(2)		0.0	ND(5.7)	*
	08/05/98		ND(2)		ND(2)		ND(2)		ND(2)		0.0	ND(5)	
	08/05/98	d	ND(2)		ND(2)		ND(2)		ND(2)		0.0	ND(5)	
	11/10/98		ND(2)		ND(2)		ND(2)		ND(2)		0.0	ND(5)	
	03/25/99		ND(2)		ND(2)		ND(2)		ND(2)		0.0	ND(10)	
	06/16/99		ND(2)		ND(2)		ND(2)		ND(2)		0.0	ND(5)	
	09/14/99		ND(2)		ND(2)		ND(2)		ND(2)		0.0	ND(5)	
	12/09/99		ND(2)		ND(2)		ND(2)		ND(5)		0.0	ND(6)	
	03/02/00		ND(2)		ND(2)		ND(2)		ND(4)		0.0	ND(5)	
	06/15/00		0.8	J	ND(2)		ND(5)		ND(4)		0.8	ND(10)	
	09/26/00		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	12/27/00		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	03/08/01		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	06/25/01		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	09/06/01		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	12/06/01		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	03/06/02		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	06/04/02		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	09/04/02		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	12/05/02		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	03/12/03		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	06/12/03		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	03/02/04		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	05/25/04		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	07/26/04		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(3)	
	12/06/04		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	03/15/05		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	06/09/05		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	09/27/05		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	12/27/05		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	03/30/06		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	06/22/06		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	09/19/06		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	12/13/06		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	03/26/07		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	06/14/07		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	09/21/07		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	12/19/07		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	05/20/08		<0.0020		<0.0050		<0.0050		<0.0050		0	<0.0001	
UMW-109	03/25/99		ND(2)		ND(2)		ND(2)		ND(2)		0.0	ND(10)	
	06/16/99		ND(2)		ND(2)		ND(2)		ND(2)		0.0	ND(5)	
	09/14/99		ND(2)		ND(2)		ND(2)		ND(2)		0.0	ND(5)	
	09/14/99	d	ND(2)		ND(2)		ND(2)		ND(2)		0.0	ND(5)	
	12/09/99		ND(2)		ND(2)		ND(2)		ND(5)		0.0	ND(6)	
	03/02/00		ND(2)		ND(2)		ND(2)		ND(4)		0.0	ND(5)	
	06/15/00		ND(2)		ND(2)		ND(5)		ND(5)		0.0	ND(10)	
	07/26/04		ND(2)		ND(2)		ND(5)		ND(5)		0.0	ND(3)	
	03/26/07		ND(2)		ND(2)		ND(5)		ND(5)		0.0	ND(3)	
	05/20/08		<0.0020		<0.0050		<0.0050		<0.0050		0	<0.0001	
UMW-110	07/26/04		15.6		67.5		2.3		37.3		122.7	24.6	
	03/27/07		0.0078		0.0217		0.0014	J	0.0238		0.0547	0.00571	
	05/22/08		0.0132		0.0387		0.0014		0.0353		0.886	0.00645	

Table 2-2
Groundwater Sample Analytical Results: BTEX and Naphthalene
Groundwater Monitoring Report: 1999

Illinois Power Company
Champaign Former MGP Site
Champaign, Illinois

Monitoring Well	Sampling Date		Concentration ug/L Benzene	Ethylbenzene		Toluene	Xylenes (Total)	Total BTEX	Naphthalene	
Tier 1 Remedial Objective			5	700		1,000	10,000		140	
UMW-111	09/14/99		ND(2)	ND(2)		ND(2)	ND(2)	0.0	ND(5)	
	12/09/99		ND(2)	ND(2)		ND(2)	ND(5)	0.0	ND(6)	
	06/15/00		ND(2)	ND(2)		ND(5)	ND(5)	0.0	ND(10)	
	09/26/00		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	12/27/00		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	03/08/01		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	06/25/01		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	09/06/01		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	12/06/01		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	03/06/02		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	06/04/02		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	09/04/02		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	12/05/02		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	03/12/03		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	06/12/03		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	03/02/04		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	05/25/04		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	07/26/04		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(3)	
	12/06/04		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	03/15/05		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	06/09/05		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	09/27/05		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	12/27/05		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	03/30/06		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	06/22/06		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	09/19/06		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	12/13/06		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	03/26/07		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	06/14/07		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	09/21/07		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	12/19/07		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	05/20/08		<0.0020	<0.0050		<0.0050	<0.0050	0	<0.0001	
UMW-112	02/03/97		ND(5)	ND(5)		ND(5)	ND(5)	0.0	ND(5)	
	05/07/97		ND(5)	ND(5)		ND(5)	ND(5)	0.0	ND(5)	
	08/04/97		ND(5)	ND(5)		ND(5)	ND(5)	0.0	ND(5)	
	11/03/97		ND(5)	ND(5)		ND(5)	ND(5)	0.0	ND(5)	
	02/02/98		ND(5)	ND(5)		ND(5)	ND(5)	0.0	ND(5)	
	05/04/98		ND(2)	ND(2)		ND(2)	ND(2)	0.0	ND(22.5)	*
	08/05/98		ND(2)	ND(2)		ND(2)	ND(2)	0.0	ND(5)	
	08/05/98	ls	ND(5)	ND(5)		ND(5)	ND(5)	0.0	ND(5)	
	11/10/98		ND(2)	ND(2)		ND(2)	ND(2)	0.0	ND(5)	
	03/25/99		ND(2)	ND(2)		ND(2)	ND(2)	0.0	ND(10)	
	06/16/99		ND(2)	ND(2)		ND(2)	ND(2)	0.0	ND(5)	
	06/16/99	d	ND(2)	ND(2)		ND(2)	ND(2)	0.0	ND(5)	
	09/14/99		ND(2)	ND(2)		ND(2)	ND(2)	0.0	ND(5)	
	12/08/99		ND(2)	ND(2)		ND(2)	ND(5)	0.0	ND(6)	
	03/02/00		ND(2)	ND(2)		ND(2)	ND(4)	0.0	ND(5)	
	06/15/00		ND(2)	ND(2)		ND(5)	ND(5)	0.0	ND(10)	
	09/26/00		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	12/27/00		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	03/08/01		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	06/25/01		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	09/06/01		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	12/06/01		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	03/06/02		ND(2)	1.1	J	ND(5)	ND(5)	1.1	3.3	J
	06/04/02		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	09/04/02		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	12/05/02		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	03/12/03		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	06/12/03		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	
	03/02/04		ND(2)	ND(5)		ND(5)	ND(5)	0.0	ND(10)	

Table 2-2
Groundwater Sample Analytical Results: BTEX and Naphthalene
Groundwater Monitoring Report: 1999

Illinois Power Company
Champaign Former MGP Site
Champaign, Illinois

Monitoring Well	Sampling Date	Concentration ug/L					
		Benzene	Ethylbenzene	Toluene	Xylenes (Total)	Total BTEX	Naphthalene
Tier 1 Remedial Objective		**5**	**700**	**1,000**	**10,000**		**140**
	05/25/04	ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)
	07/26/04	ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(3)

Table 2-2
Groundwater Sample Analytical Results: BTEX and Naphthalene
Groundwater Monitoring Report: 1999

Illinois Power Company
Champaign Former MGP Site
Champaign, Illinois

Monitoring Well	Sampling Date	Concentration ug/L Benzene	Ethylbenzene	Toluene	Xylenes (Total)	Total BTEX	Naphthalene
Tier 1 Remedial Objective		5	700	1,000	10,000		140
	12/06/04	ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)
	03/15/05	ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)
	06/09/05	ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)
	09/27/05	ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)
	12/27/05	ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)
	03/30/06	ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)
	06/22/06	ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)
	09/19/06	ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)
	12/13/06	ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)
	03/26/07	ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)
	06/14/07	ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)
	09/21/07	ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)
	12/19/07	ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)
UMW-113	07/26/04	5.7	1	ND(5)	4.8	11.5	ND(3)
	03/27/07	0.0104	0.0022 J	ND(5)	0.0023 J	0.0149	0.00017
	05/22/08	0.0035	0.0017	<0.005	0.001	0.0062	0.00068
UMW-114	02/03/97	1,430	1,330	47.3 J	622	3429	1,700
	05/08/97	1,410	1,170	27.4	586	3193	2,620
	08/05/97	1,220	1,240	33.0	573	3066	1,800
	11/04/97	1,400	1,310	52.6	627	3390	2,300
	02/03/98	1,220	1,100	117	645	3082	2,280
	02/03/98 d	1,200	1,060	118	618	2996	2,210
	05/05/98	1,170	1,280	107.0	759	3316	3,210/5,810**
	08/06/98	1,060	1,290	ND(50)	2,140	4490	4,000
	11/11/98	998	769	ND(100)	709	2476	3,050
	03/25/99	911	888	116.0	675	2590	4,190
	06/16/99	1,180	1,260 J	166.0	780 J	3386	2,180
	09/14/99	1,270	1,330	201.0	834	3635	3,350
	12/08/99	1,140	1,280	242.0	862	3524	3,170
	03/02/00	930	811	186.0	572	2499	3,400
	06/15/00	1,080	ND(50)	ND(50)	ND(50)	1080	5,740
	09/26/00	886	1,080	169.0	669	2804	3,750
	12/27/00	858	983	171.0	728	2740	2,800
	03/08/01	841	1,220	212.0	766	3039	2,370
	06/25/01	974	1,180	119.0	666	2939	2,410
	09/06/01	764	818	98.0 J	526	2206	765
	12/06/01	910	1,190	196.0	733	3029	3,200
	03/06/02	810	1,160	197.0	849	3016	2,270
	06/04/02	804	1,250	215.0	844	3113	4,400
	09/04/02	557	843	110.0	522	2032	3,960
	12/05/02	832	1,220	190.0 J	526	2768	3,250
	03/12/03	703	1,160	150.0 J	727	2740	2,860
	06/12/03	826	1160	173	772	2931	3540
	06/12/03 d	786	1080	160	728	2754	3.54
	03/02/04	754	1040	<250	481	2275	4480
	05/25/04	760	1230	153	861	2851	3660
	07/26/04	628	868	120	425	2041	3650
	12/07/04	796	1130	164	848	2938	3510
	03/15/05	736	1250	164	899	3049	5580
	06/09/05	867	1260	152	932	3211	5120
	09/27/05	1130	1370	190	1010	3700	11500
	12/27/05	939	1150	133	891	3113	5980
	03/30/06	875	1220	123	958	3176	6000
	06/22/06	936	1140	131	1020	3227	7510
	09/19/06	938	1220	150	924	3232	7880
	12/31/06	1080	1110	170	1020	3380	5260
	03/27/07	1.020	1.230	0.140 J	0.974	3.36	3.61
	06/14/07	1150	1160	170 J	963	3443	6440
	09/21/07	1120	1060	130 J	861	3171.00	5560
	12/19/07	1230	977	160 J	907	3274.00	5640

Table 2-2
Groundwater Sample Analytical Results: BTEX and Naphthalene
Groundwater Monitoring Report: 1999

Illinois Power Company
Champaign Former MGP Site
Champaign, Illinois

Monitoring Well	Sampling Date	Concentration ug/L					
		Benzene	Ethylbenzene	Toluene	Xylenes (Total)	Total BTEX	Naphthalene
Tier 1 Remedial Objective		**5**	**700**	**1,000**	**10,000**		**140**
	05/20/08	1.320	1.230	0.150	1.01	3.71	4.61

Table 2-2
Groundwater Sample Analytical Results: BTEX and Naphthalene
Groundwater Monitoring Report: 1999

Illinois Power Company
Champaign Former MGP Site
Champaign, Illinois

Monitoring Well	Sampling Date		Concentration ug/L Benzene		Ethylbenzene		Toluene		Xylenes (Total)		Total BTEX	Naphthalene	
Tier 1 Remedial Objective			5		700		1,000		10,000			140	
UMW-115	02/03/97		30.8		3.6	J	ND(5)		ND(5)		34.4	ND(5)	
	05/08/97		6.1		6.1		ND(5)		ND(5)		12.2	ND(5)	
	08/04/97		10.5		2.2	J	ND(5)		ND(5)		12.7	ND(5)	
	08/04/97	d	10.3		2.1	J	ND(5)		ND(5)		12.4	2.5	J
	11/04/97		10.1		2.5	J	ND(5)		ND(5)		12.6	ND(5)	
	02/03/98		4.4	J	2	J	ND(5)		ND(5)		6.4	ND(5)	
	05/05/98		5.6		6.6		ND(2)		ND(2)		12.2	ND(5)	
	08/06/98		9.5		ND(2)		ND(2)		ND(2)		9.5	ND(5)	
	11/11/98		ND(2)		ND(2)		ND(2)		ND(2)		0.0	ND(5)	
	11/11/98	d	ND(2)		ND(2)		ND(2)		ND(2)		0.0	ND(5)	
	03/25/99		ND(2)		4.4		ND(2)		4.3		8.7	13.2	
	06/16/99		523		ND(20)		ND(20)		34		557.0	83.8	
	09/14/99		56.5		ND(2)		ND(2)		2.7		59.2	ND(5)	
	12/09/99		31.2		ND(2)		ND(2)		ND(5)		31.2	ND(6)	
	03/02/00		46.3		ND(2)		ND(2)		ND(4)		46.3	ND(5)	
	06/15/00		46.3	J	2.4	J	1.5	J	1.1	J	51.3	27.8	J
	09/26/00		27.2		1.1	J	1.4	J	ND(5.0)		29.7	ND(10)	
	12/27/00		14		ND(5)		ND(5)		ND(5)		14.0	ND(10)	
	03/08/01		20.2		ND(5)		ND(5)		ND(5)		20.2	ND(10)	
	06/25/01		31		1.1	J	1.5	J	ND(5)		33.6	3.8	J
	09/06/01		34.4		2.0	J	1.7	J	ND(5)		38.1	6.1	J
	12/06/01		14.7		1.6		ND(5)		ND(5)		16.3	46.0	J
	12/06/01	d	12.1		1.2	J	ND(5)		ND(5)		13.3	7.3	J
	03/06/02		24.8		1.2	J	ND(5.0)		1.4	J	27.4	5.5	J
	06/04/02		14.3		ND(5)		ND(5)		ND(5)		14.3	20.9	
	09/04/02		756		1030.0		150		581		2517.0	3130	
	10/07/02		7.0		1.3	J	ND(5)		1.5	J	9.8	ND(10)	
	12/05/02		6.4		1.2	J	ND(5)		ND(5)		7.6	ND(10)	
	03/12/03		4.4		ND(5)		ND(5)		ND(5)		4.4	ND(10)	
	06/12/03		13.4		ND(5)		ND(5)		ND(5)		13.4	6.4	J
	03/02/04		ND(2)		ND(5)		ND(5)		ND(5)		0.0	ND(10)	
	05/25/04		12.2		ND(5)		ND(5)		ND(5)		12.2	ND(10)	
	07/26/04		12.9		1.2		ND(5)		ND(5)		14.1	ND(3)	
	12/07/04		5.9		ND(5)		ND(5)		ND(5)		5.9	ND(10)	
	03/15/05		5.2		ND(5)		ND(5)		ND(5)		5.2	ND(10)	
	06/09/05		8.3		ND(5)		1.1		ND(5)		9.4	ND(10)	
	09/27/05		12.5		1.9		1.1		ND(5)		15.5	ND(10)	
	12/27/05		4.1		ND(5)		ND(5)		ND(5)		4.1	ND(10)	
	03/30/06		2.7		ND(5)		ND(5)		ND(5)		2.7	ND(10)	
	06/22/06		11.7		ND(5)		1.4		1		14.1	ND(10)	
	09/19/06		7.0		1.4		ND(5)		1.2		9.6	ND(10)	
	12/13/06		4.4		ND(5)		ND(5)		1.2		5.6	ND(10)	
	03/27/07		0.0021		ND(5)		ND(5)		ND(5)		0.0021	0.00018	
	06/14/07		9.0		ND(5)		ND(5)		ND(5)		9.0	3.9	J
	09/21/07		12.3		1.8	J	1.2	J	1.3	J	16.6	ND(10)	
	12/19/07		3.9		ND(5)		ND(5)		ND(5)		ND(5)	ND(10)	
	05/20/08		0.0116		<0.005		<0.005		<0.005		0.116	<0.00010	

Table 2-2
Groundwater Sample Analytical Results: BTEX and Naphthalene
Groundwater Monitoring Report: 1999

Illinois Power Company
Champaign Former MGP Site
Champaign, Illinois

Monitoring Well	Sampling Date		Concentration ug/L Benzene	Ethylbenzene	Toluene	Xylenes (Total)	Total BTEX	Naphthalene	
Tier 1 Remedial Objective			5	700	1,000	10,000		140	
UMW-116	02/03/97		ND(5)	ND(5)	ND(5)	ND(5)	0.0	ND(5)	
	05/07/97		ND(5)	ND(5)	ND(5)	ND(5)	0.0	ND(5)	
	08/05/97		ND(5)	ND(5)	ND(5)	ND(5)	0.0	2.7	J
	11/03/97		ND(5)	ND(5)	ND(5)	ND(5)	0.0	ND(5)	
	11/03/97	d	ND(5)	ND(5)	ND(5)	ND(5)	0.0	ND(5)	
	02/02/98		ND(5)	ND(5)	ND(5)	ND(5)	0.0	ND(5)	
	05/04/98		ND(2)	ND(2)	ND(2)	ND(2)	0.0	ND(5)	
	08/05/98		ND(2)	ND(2)	ND(2)	ND(2)	0.0	ND(5)	
	11/10/98		ND(2)	ND(2)	ND(2)	ND(2)	0.0	ND(5)	
	03/25/99		ND(2)	ND(2)	ND(2)	ND(2)	0.0	ND(10)	
	03/25/99	d	ND(2)	ND(2)	ND(2)	ND(2)	0.0	ND(10)	
	06/16/99		ND(2)	ND(2)	ND(2)	ND(2)	0.0	ND(5)	
	09/14/99		2.4	4.0	ND(2)	11.5	17.9	11.4	
	12/09/99		ND(2)	ND(2)	ND(2)	ND(5)	0.0	ND(7)	
	03/02/00		ND(2)	ND(2)	ND(2)	ND(4)	0.0	ND(5)	
	06/15/00		ND(2)	ND(2)	ND(5)	ND(5)	0.0	ND(10)	
	09/26/00		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	09/26/00	d	ND(2)	ND(5)	ND(5)	ND(5)	0.0	2.4	J
	12/27/00		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	03/08/01		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	06/25/01		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	09/03/01		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	12/06/01		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	03/06/02		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	06/04/02		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	09/04/02		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	12/05/02		ND(2)	ND(5)	ND(5)	ND(5)	0.0	8.6	J
	03/12/03		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	06/12/03		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	03/02/04		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	05/25/04		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	07/26/04		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(3)	
	12/06/04		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	03/15/05		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	06/09/05		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	09/27/05		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	12/27/05		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	03/30/06		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	06/22/06		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	09/19/06		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	12/13/06		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	03/26/07		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	06/14/07		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	09/21/07		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	12/19/07		ND(2)	ND(5)	ND(5)	ND(5)	0.0	ND(10)	
	05/20/08		<0.0020	<0.0050	<0.0050	<0.0050	0	<0.0001	

d uplicate sample for QA/QC.
S very outside accepted recovery limits
J ncentration below method detection limit.
ls laboratory for quality assurance and quality control.
ND ot Detected (Detection Limit).
- - Not Applicable.
* or; carryover in capillary column from other samples.
NA Not analyzed
** nalytical results using Methods 8260/or 8310
UMW-111A placement well for UMW-111.

Table 2-3
Hydraulic Conductivity Test Results for the Intermediate Sand Unit

Champaign MGP Off-Site Investigation
Champaign, Illinois

Monitoring Well	Field Test Methods	Data Analysis Method	Hydraulic Conductivity cm/s	Hydraulic Conductivity ft/day
UMW-301	PVC slug	Bouwer and Rice (1976)	8.63E-02	244.6
UMW-302	PVC slug	Bouwer and Rice (1976)	8.13E-02	230.5
UMW-303	PVC slug	Bouwer and Rice (1976)	2.80E-02	79.4
UMW-304	PVC slug	Bouwer and Rice (1976)	5.20E-02	147.4
Geometric Mean Hydraulic Conductivity			**4.85E-02**	**137.5**

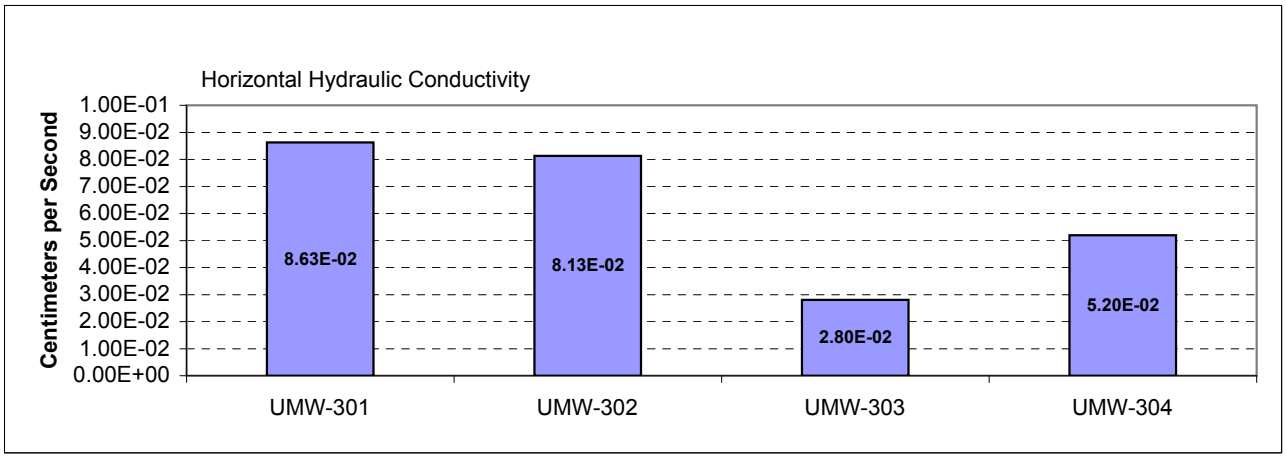

Table 3-1

MONITORING WELL AND PIEZOMETER CONSTRUCTION DATA
CHAMPAIGN MGP SITE
CHAMPAIGN, ILINOIS

MW / PZ NUMBER	DATE INSTALLED	TOTAL DEPTH FEET (BGS)	CONSTRUCTION TYPE	SCREEN INTERVAL FEET (BGS)	SURFACE ELEVATION
UMW-117	4/15/2008	15.0	PVC-2"	5.0 - 15.0	737.81
UMW-118	4/14/2008	15.0	PVC-2"	5.0 - 15.0	736.43
UMW-119	5/7/2008	15.0	PVC-2"	5.0 - 15.0	737.09
UMW-120	4/9/2008	15.0	PVC-2"	5.0 - 15.0	737.53
UMW-121	4/16/2008	15.0	PVC-2"	5.0 - 15.0	738.80
UMW-300	5/8/2008	45.0	PVC-2"	35.0 - 45.0	736.79
UMW-301	5/6/2008	45.0	PVC-2"	35.0 - 45.0	736.43
UMW-302	4/15/2008	45.0	PVC-2"	35.0 - 45.0	738.88
UMW-303	4/17/2008	45.0	PVC-2"	35.0 - 45.0	737.38
UMW-304	4/16/2008	45.0	PVC-2"	35.0 - 45.0	738.37

PVC - Polyvinyl Chloride.

SS - Stainless Steel.

BGS - Below Ground Surface.

TABLE 3-2
SUMMARY OF LABORATORY TEST RESULTS

AMERENIP
CHAMPAIGN, ILLINOIS
PROJECT NUMBER: 62403053

Boring Number	Depth (Feet)	Moisture Content (Percent) ASTM D 2216	Dry Unit Weight (pcf) ASTM D 2937*	Specific Gravity ASTM D 854	Total Porosity (Percent) ASTM D 653*
B-845	0.5 - 1.0	32.1	79.2	2.565	50.6
B-845	2.5 - 3.0	29.8	91.4	2.729	46.3
B-851	14.5 - 15.0	11.9	128.2	2.747	25.3
B-851	19.5 - 20.0	11.7	128.7	2.733	24.6

* As described in listed test methods

ASTM American Society for Testing and Materials
pcf Pounds per cubic foot

Table 4-1
Champaign Former MGP
2008 Off-Site Investigation Soil Analytical Summary

Boring Number	Date Completed	Depth (Feet)	Teklab WO Number	Analytical Parameters							
				BTEX	PAHs	Metals*	CN**	f_{oc}	pH	OA1	OA2
B - 800	4/14/2008	2 - 3	08040620	X	X	X	X	X	X		
	4/14/2008	9 - 10	08040620	X	X			X	X		
	4/14/2008	11.5 - 12.5	08040620	X	X			X	X		
B - 801	4/8/2008	2 - 3	08040412	X	X				X		
	4/8/2008	9 - 10	08040412	X	X				X		
	4/8/2008	25 - 26	08040412	X	X				X		
B - 802	4/15/2008	2 - 3	08040620	X	X						
	4/15/2008	8.5 - 10	08040620	X	X	X	X				
	4/15/2008	14.5 - 15.5	08040620	X	X	X	X				
	4/15/2008	25 - 26	08040620	X	X						
B - 803	5/7/08	2.0 - 3.0	08050415	X	X	X	X				
	5/7/08	9.0 - 10.0	08050415	X	X	X	X				
	5/7/08	21.0 - 22.0	08050415	X	X	X	X				
	5/7/08	29.0 - 30.0	08050415	X	X						
B - 804	4/8/2008	1.5 - 2.5	08040412	X	X	X	X				
	4/8/2008	8.5 - 9.5	08040412	X	X	X	X				
	4/8/2008	15 - 16	08040412	X	X						
B - 805	4/9/2008	1 - 2	08040412	X	X	X	X				
	4/9/2008	7 - 8	08040412	X	X	X	X				
	4/9/2008	13 - 14	08040412	X	X	X	X				
B - 806	4/8/2008	2 - 3	08040412	X	X						
	4/8/2008	8.5 - 9.5	08040412	X	X			X			
	4/8/2008	11 - 12	08040412	X	X	X	X	X			
B - 807	4/8/2008	2 - 3	08040412	X	X						
	4/8/2008	8.5 - 9.5	08040412	X	X	X	X				
	4/8/2008	13 - 14	08040412	X	X	X	X		X		
B-807 DUP	4/8/2008	2 - 3	08040412	X	X						
B - 808	**No Samples Collected**										
B - 809	5/8/08	2.0 - 3.0	08050415	X	X	X	X		X		
	5/8/08	9.0 - 10.0	08050415	X	X	X	X		X		
	5/8/08	15.0 - 16.0	08050415	X	X	X	X				
B - 810	**No Samples Collected**										
B - 811	5/5/08	2.0 - 3.0	08050415	X	X	X	X				
	5/5/08	9.0 - 10.0	08050415	X	X	X	X				
	5/5/08	11.0 - 12.0	08050415	X	X	X	X				
B - 812	5/5/08	1.0 - 2.0	08050415	X	X						
	5/5/08	9.0 - 10.0	08050415	X	X						
	5/5/08	11.0 - 12.0	08050415	X	X						
B - 813	4/7/2008	2 - 3	08040412	X	X						
	4/7/2008	6 - 7	08040412	X	X						
	4/7/2008	11-12	08040412	X	X						
B - 814	4/1/2008	0 - 2	08040186	X	X	X	X	X			
	4/1/2008	7 - 8	08040186	X	X	X	X	X			
	4/1/2008	17 - 18	08040186	X	X						
B - 815	4/7/2008	2 - 3	08040412	X	X	X	X				
	4/7/2008	7 -8	08040412	X	X	X	X				
	4/7/2008	25 - 26	08040412	X	X	X	X				
B - 816	4/1/2008	1 - 2	08040186	X	X						
	4/1/2008	9 - 10	08040186	X	X						
	4/1/2008	19 - 21	08040186	X	X						
B - 817	4/7/2008	2 - 3	08040412	X	X	X	X	X	X		
	4/7/2008	8 - 9	08040412	X	X	X	X	X	X		
	4/7/2008	26 - 27	08040412	X	X	X	X		X		
B - 818	4/1/2008	2 - 3	08040186	X	X						
	4/1/2008	7 - 9	08040186	X	X	X	X				
	4/1/2008	13 - 15	08040186	X	X	X	X				
	4/1/2008	24 - 26	08040186	X	X						
B - 819	4/7/2008	2 - 3	08040412	X	X	X	X				
	4/7/2008	8.5 - 9.5	08040412	X	X	X	X				
	4/7/2008	28 - 29	08040412	X	X	X	X				

Table 4-1
Champaign Former MGP
2008 Off-Site Investigation Soil Analytical Summary

Boring Number	Date Completed	Depth (Feet)	Teklab WO Number	Analytical Parameters							
				BTEX	PAHs	Metals*	CN**	f_{oc}	pH	OA1	OA2
B - 820	4/4/2008	1 - 2	08040238	X	X						
	4/4/2008	8.5 - 9.5	08040238	X	X						
	4/4/2008	25 - 26	08040238	X	X						
B - 821	4/4/2008	0.5 -3	08040238	X	X						
	4/4/2008	9 - 10	08040238	X	X						
	4/4/2008	19 - 20	08040238	X	X						
B - 822	4/1/2008	1 - 3	08040186	X	X	X	X				
	4/1/2008	6 - 8	08040186	X	X	X	X				
	4/1/2008	7 - 8	08040184	X	X						
	4/1/2008	13 - 15	08040184	X	X	X	X				
	4/1/2008	27 - 28	08040184	X	X						
B - 823	4/1/2008	3 - 4	08040184	X	X						
	4/1/2008	9 - 10	08040184	X	X						
	4/1/2008	13 - 15	08040184	X	X						
B - 824	4/4/2008	1 - 3	08040238	X	X	X	X				
	4/4/2008	9 - 10	08040238	X	X	X	X				
	4/4/2008	23 - 24	08040238	X	X	X	X				
B - 825	4/3/2008	2 - 3	08040238	X	X						
	4/3/2008	8 - 9	08040238	X	X						
	4/3/2008	18 - 19	08040238	X	X						
	4/3/2008	25 - 26	08040238			X	X				
B - 826	4/3/2008	2 - 3	08040238	X	X						
	4/3/2008	8 - 9	08040238	X	X				X		
	4/3/2008	16 - 17	08040238	X	X				X		
B-827	4/2/2008	2 - 3	08040187	X	X						
	4/2/2008	7 - 8	08040187	X	X						
	4/2/2008	12 - 13	08040187	X	X						
	4/2/2008	26 - 28	08040187	X	X						
B-827 DUP	4/2/2008	12 - 13	08040187	X	X						
B-828	4/3/2008	2 - 3	08040238	X	X						
	4/3/2008	9 - 10	08040238	X	X						
	4/3/2008	12 - 13	08040238	X	X						
	4/3/2008	17 - 18	08040238	X	X						
B-828 DUP	4/3/2008	2 - 3	08040238	X	X						
B-829	4/2/2008	2 - 3	08040185	X	X						
	4/2/2008	6 - 7	08040185	X	X	X	X				
	4/2/2008	21 - 22	08040185	X	X						
B-830	4/3/2008	2 - 3	08040238	X	X						
	4/3/2008	8 - 9	08040238	X	X						
	4/3/2008	28 - 30	08040238	X	X	X	X				
B-831	4/3/2008	1 - 3	08040238	X	X	X	X				
	4/3/2008	9 - 10	08040238	X	X	X	X				
	4/3/2008	10.5 - 12.0	08040238	X	X						
	4/3/2008	18 - 20	08040238	X	X						
B-832	4/4/2008	2 - 3	08040238	X	X	X	X				
	4/4/2008	7 - 8	08040238	X	X	X	X		X		
	4/4/2008	20 - 21	08040238	X	X						
B-833	4/2/2008	2 - 3	08040185	X	X						
	4/2/2008	9 - 10	08040185	X	X	X	X				
	4/2/2008	10 - 12	08040185	X	X						
	4/2/2008	25 - 26	08040185	X	X						
	4/2/2008	31 - 32	08040185	X	X						
B-833 DUP	4/2/2008	10 - 12	08040185	X	X						
B-834	4/4/2008	1 - 2	08040412	X	X						
	4/4/2008	6 - 7	08040412	X	X						
	4/4/2008	11 - 12.5	08040412	X	X					X	X
	4/4/2008	15 - 16	08040412	X	X						
	4/4/2008	21 - 22	08040412	X	X						
B-835	4/3/2008	28 - 29	08040238	X	X	X	X				
B-837	4/14/2008	0.5 - 2	08040620	X	X	X	X				
	4/14/2008	9 - 10	08040620	X	X	X	X				
	4/14/2008	12 - 13	08040620	X	X						

Table 4-1
Champaign Former MGP
2008 Off-Site Investigation Soil Analytical Summary

Boring Number	Date Completed	Depth (Feet)	Teklab WO Number	Analytical Parameters							
				BTEX	PAHs	Metals*	CN**	f_{oc}	pH	OA1	OA2
B-838	4/4/2008	1 - 2	08040238	X	X						
	4/4/2008	9 - 10	08040238	X	X						
	4/4/2008	15 - 16	08040238	X	X						
	4/4/2008	29 - 30	08040238	X	X						
B-839	4/14/2008	2 - 3	08040620	X	X	X	X				
	4/14/2008	6 - 7	08040620	X	X	X	X				
	4/14/2008	16 - 17	08040620	X	X						
B-840	4/15/2008	1 - 2	08040620	X	X						
	4/15/2008	7 - 8	08040620	X	X						
	4/15/2008	18 - 19	08040620	X	X						
B-841	**Logged; No Samples Collected**										
B-843	5/6/2008	2.0 - 3.0	08050415	X	X	X	X				
	5/6/2008	7.0 - 8.0	08050415	X	X	X	X				
	5/6/2008	10.0 - 11.0	08050415	X	X						
B-844	5/6/2008	1.0 - 2.0	08050415	X	X	X	X				
	5/6/2008	8.0 - 9.0	08050415	X	X	X	X				
	5/6/2008	15.0 - 16.0	08050415	X	X						
B-845	5/6/2008	0.0 - 2.0	08050896					X			
	5/6/2008	2.0 - 4.0	08050896					X			
	5/6/2008	6.0 - 7.0	08050415	X	X	X	X				
	5/6/2008	13.0 - 14.0	08050415	X	X						
B-846	5/7/2008	8.5 - 9.5	08050415	X	X						
	5/7/2008	10.0 - 11.0	08050415	X	X						
	5/7/2008	20.0 - 21.0	08050415	X	X						
B-847	5/7/2008	6.0 - 7.0	08050415	X	X						
	5/7/2008	22.0 - 23.0	08050415	X	X						X
	5/7/2008	29.0 - 30.0	08050415	X	X						
B-848	5/7/2008	2.0 - 3.0	08050415	X	X						
	5/7/2008	9.0 - 10.0	08050415	X	X						
	5/7/2008	13.0 - 14.0	08050415	X	X						
B-849	5/7/2008	0.0 - 1.0	08050415	X	X	X	X				
	5/7/2008	9.0 - 10.0	08050415	X	X	X	X				
	5/7/2008	16.0 - 17.0	08050415	X	X	X	X				
B-850	5/8/2008	8.0 - 9.0	08050415	X	X	X	X				
	5/8/2008	16.0 - 17.0	08050415	X	X	X	X				X
	5/8/2008	25.0 - 26.0	08050415	X	X						
B-851	5/9/2008	14.0 - 16.0	08050896					X			
	5/9/2008	19.0 - 20.0	08050896					X			
	5/9/2008	19.0 - 20.0	08050415	X	X						
B-852	5/9/2008	2.0 - 3.0	08050415	X	X	X	X				
	5/9/2008	9.0 - 10.0	08050415	X	X			X	X		
	5/9/2008	23.0 - 24.0	08050415	X	X						
B-853	6/23/2008	2.0 - 3.0	08060976	X	X						
	6/23/2008	4.0 - 5.0	08060976	X	X						
	6/23/2008	29.0 - 30.0	08060976	X	X						
B-854	6/24/2008	2.0 - 3.0	08060976	X	X						
	6/24/2008	7.0 - 8.0	08060976	X	X						
	6/24/2008	38.0 - 39.0	08060976	X	X						
B-855	6/26/2008	2.0 - 3.0	08060976	X	X						
	6/26/2008	6.0 - 7.0	08060976	X	X						
	6/26/2008	33.0 - 34.0	08060976	X	X						
TOTAL NUMBER OF SAMPLES COLLECTED:				156	156	63	63	14	16	1	4

*Metals include: arsenic, chromium, and lead.
** Total and amenable cyanide

TABLE 5-1
BTEX and PAHs - Less than 3 Feet

Former MGP Site
Champaign, Illinois
AmerenIP

CONSTITUENT	Soil Ingestion Residential	Soil Ingestion Commercial	Soil Ingestion Construction	Soil Inhalation Residential	Soil Inhalation Commercial	Soil Inhalation Construction	Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	B-800 B800 (2.0-3.0) 4/14/2008 2.0-3.0	B-801 B801 (2.0-3.0 ft) 4/8/2008 2.0-3.0'	B-802 B802 (2.0-3.0 ft) 4/15/2008 2.0-3.0'	B-803 B803 (2.0-3.0 ft) 5/7/2008 2.0-3.0'	B-804 B804 (1.5-2.5 ft) 4/8/2008 1.5-2.5 ft	B-805 B805(1.0-2.0 ft) 4/9/2008 1.0-2.0 ft	B-806 B806(2.0-3.0 ft) 4/8/2008 2.0-3.0 ft	B-807 B807(2.0-3.0 ft) 4/8/2008 2.0-3.0 ft
Benzene	12	100	2,300	1	1.6	2.20	0.03	---	(mg/kg)	0.002	<0.0012	0.0037	0.0019	<0.0011	<0.0012	<0.0012	0.0024
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	<0.0059	0.0015	0.0022	0.0069	<0.0056	<0.0058	<0.0062	0.0018
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	<0.0059	0.0024	0.0049	0.0039	<0.0056	<0.0058	0.002	0.0013
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	<0.0059	0.0048	0.0048	0.0107	<0.0056	<0.0058	0.002	0.0015
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<0.107	<0.009	<0.102	0.008	<0.004	<0.004	<0.004	<0.022
Acenaphthylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	85	0.07	(mg/kg)	1.43	0.073	0.835	0.023	0.009	<0.004	<0.004	0.066
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	0.10	0.074	0.452	0.023	0.005	<0.004	<0.004	0.081
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	1.12	0.216	1.64	0.086	0.033	0.007	0.006	0.316
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	2.42	0.206	2.04	0.105	0.040	0.005	0.005	0.372
Benzo(b)fluoranthene	0.9	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	2.5	0.279	2.98	0.131	0.056	0.009	0.007	0.478
Benzo(ghi)perylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	27000	1.70	(mg/kg)	1.65	0.094	1.33	0.066	0.025	0.005	0.004	0.242
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	0.943	0.103	1.0	0.045	0.020	<0.004	<0.004	0.165
Chrysene	88.0	780	17000	-----	-----	-----	160	2.70	(mg/kg)	1.19	0.236	1.8	0.096	0.038	0.005	0.004	0.361
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	0.495	0.033	0.421	0.017	0.007	<0.004	<0.004	0.063
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	0.876	0.489	3.67	0.173	0.059	0.009	0.007	0.676
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	<0.107	0.025	0.097	0.007	<0.004	<0.004	<0.004	0.030
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	1.43	0.101	1.22	0.059	0.024	0.004	<0.004	0.215
Naphthalene	1600	41000	4100	170	270	1.80	12.0	0.20	(mg/kg)	<0.107	0.019	0.122	0.034	0.007	<0.004	<0.004	0.024
Phenanthrene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	200	2.50	(mg/kg)	0.206	0.335	2.46	0.105	0.025	0.004	<0.004	0.459
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	1.31	0.396	4.21	0.171	0.055	0.009	0.007	0.625

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.0059 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective for that constituent
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-1
BTEX and PAHs - Less than 3 Feet

Former MGP Site
Champaign, Illinois
AmerenIP

CONSTITUENT	Soil Ingestion Residential	Soil Ingestion Commercial	Soil Ingestion Construction	Soil Inhalation Residential	Soil Inhalation Commercial	Soil Inhalation Construction	Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	B-807 DUP 3807(2.0-3.0 ft) Du 4/8/2008 2.0-3.0 ft	B-809 B809 (2.0-3.0 ft) 5/8/2008 2.0-3.0 ft	B-811 B811 (2.0-3.0 ft) 5/5/2008 2.0-3.0 ft	B-812 B812 (1.0-2.0 ft) 5/5/2008 1.0-2.0 ft	B-813 B813 (2.0-3.0 ft) 4/7/2008 2.0-3.0 ft	B-814 B814 (0.0-2.0') 4/1/2008 0.0-2.0'	B-815 B815 (2.0-3.0 ft) 4/7/2008 2.0-3.0 ft	B-816 B816 (1.0-2.0') 4/1/2008 1.0-2.0'
Benzene	12	100	2,300	1	1.6	2.20	0.03	---	(mg/kg)	0.0012	0.0016	0.0036	<0.0011	<0.0012	<0.0019	<0.0011	<0.0015
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	<0.0059	<0.0075	0.0022	<0.0057	<0.0058	<0.0093	<0.0055	0.0027
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	<0.0059	0.0028	0.0073	0.0014	<0.0058	<0.0093	<0.0055	0.0034
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	<0.0059	0.0062	0.0076	<0.0057	<0.0058	<0.0093	<0.0055	0.0022
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<0.008	0.153	<0.004	<0.005	<0.041	<0.063	<0.004	<0.009
Acenaphthylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	85	0.07	(mg/kg)	0.012	0.061	0.012	<0.005	0.126	0.823	<0.004	0.086
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	<0.008	0.157	0.020	<0.005	0.071	0.188	<0.004	0.031
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	0.055	1.11	0.073	0.008	0.296	0.770	<0.004	0.086
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	0.061	2.84	0.083	0.008	0.32	1.09	<0.004	0.108
Benzo(b)fluoranthene	0.9	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	0.082	2.78	0.102	0.011	0.472	1.55	<0.004	0.157
Benzo(ghi)perylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	27000	1.70	(mg/kg)	0.037	2.26	0.047	0.007	0.235	1.04	<0.004	0.124
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	0.031	0.907	0.035	<0.005	0.146	0.491	<0.004	0.051
Chrysene	88.0	780	17000	-----	-----	-----	160	2.70	(mg/kg)	0.057	1.24	0.08	0.006	0.393	1.08	<0.004	0.121
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	0.014	0.551	0.014	<0.005	0.058	0.244	<0.004	0.028
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	0.084	1.4	0.127	0.007	0.702	1.15	<0.004	0.139
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	<0.008	0.049	0.005	<0.005	<0.041	0.081	<0.004	0.009
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	0.035	2.03	0.046	0.005	0.196	0.828	<0.004	0.098
Naphthalene	1600	41000	4100	170	270	1.80	12.0	0.20	(mg/kg)	0.008	0.136	0.004	<0.005	<0.041	0.077	<0.004	0.014
Phenanthrene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	200	2.50	(mg/kg)	0.034	0.716	0.055	<0.005	0.497	0.549	<0.004	0.088
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	0.078	1.34	0.105	0.008	0.663	1.57	<0.004	0.175

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.0059 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective for that constituent
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-1
BTEX and PAHs - Less than 3 Feet

Former MGP Site
Champaign, Illinois
AmerenIP

CONSTITUENT	Soil Ingestion Residential	Soil Ingestion Commercial	Soil Ingestion Construction	Soil Inhalation Residential	Soil Inhalation Commercial	Soil Inhalation Construction	Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	B-817 B817 (2.0-3.0 ft) 4/7/2008 2.0-3.0 ft	B-818 B818 (2.0-3.0') 4/1/2008 2.0-3.0'	B-819 B819 (2.0-3.0 ft) 4/7/2008 2.0-3.0 ft	B-820 B820(1.0-2.0 ft) 4/4/2008 1.0-2.0 ft	B-821 B821(0.5-3.0 ft) 4/4/2008 (0.5-3.0 ft	B-822 B822 (1.0-3.0') 4/1/2008 1.0-3.0'	B-824 B824 (1.0-3.0') 4/4/2008 1.0-3.0'	B-825 B825 (2.0-3.0') 4/3/2008 2.0-3.0'
Benzene	12	100	2,300	1	1.6	2.20	0.03	---	(mg/kg)	<0.0011	0.0183	<0.0011	0.0013	0.0017	<0.0012	<0.0011	<0.0012
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	<0.0057	<0.0063	<0.0056	<0.006	<0.0046	<0.0058	<0.0055	<0.0059
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	<0.0057	0.0025	<0.0056	<0.006	0.0021	<0.0058	<0.0055	<0.0059
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	<0.0057	<0.0063	<0.0056	<0.006	<0.0046	<0.0058	0.0013	0.0019
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<0.004	<0.422	<0.008	<0.004	<0.042	<0.004	<0.042	0.010
Acenaphthylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	85	0.07	(mg/kg)	0.039	6.48	0.015	0.011	0.140	0.188	0.115	0.040
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	0.006	0.711	0.009	<0.004	0.198	0.011	0.041	0.038
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	0.007	4.13	0.069	0.008	0.220	0.016	0.208	0.029
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	0.024	11.2	0.081	0.006	0.229	0.026	0.199	0.018
Benzo(b)fluoranthene	0.9	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	0.021	9.29	0.103	0.017	0.106	0.052	0.193	0.014
Benzo(ghi)perylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	27000	1.70	(mg/kg)	0.042	8.03	0.058	0.012	0.098	0.051	0.141	0.006
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	0.006	2.70	0.039	0.006	0.130	0.015	0.204	0.015
Chrysene	88.0	780	17000	-----	-----	-----	160	2.70	(mg/kg)	0.004	4.95	0.076	0.008	0.197	0.016	0.218	0.025
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	0.008	1.83	0.015	<0.004	<0.042	0.014	0.049	<0.004
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	0.007	3.18	0.106	0.012	0.362	0.017	0.314	0.066
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	<0.004	0.39	<0.008	<0.004	0.120	0.007	<0.042	0.048
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	0.03	5.95	0.051	0.010	0.077	0.043	0.132	0.007
Naphthalene	1600	41000	4100	170	270	1.80	12.0	0.20	(mg/kg)	<0.004	0.815	0.008	0.005	2.22	0.010	<0.042	0.109
Phenanthrene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	200	2.50	(mg/kg)	<0.004	0.881	0.042	0.007	0.588	0.011	0.116	0.116
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	0.014	6.85	0.106	0.014	0.535	0.027	0.303	0.053

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.0059 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective for that constituent
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-1
BTEX and PAHs - Less than 3 Feet

Former MGP Site
Champaign, Illinois
AmerenIP

CONSTITUENT	Soil Ingestion Residential	Soil Ingestion Commercial	Soil Ingestion Construction	Soil Inhalation Residential	Soil Inhalation Commercial	Soil Inhalation Construction	Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	B-826 B826 (2.0-3.0') 4/3/2008 2.0-3.0'	B-827 B827 (2.0-3.0') 4/2/2008 2.0-3.0'	B-828 B828 (2.0-3.0') 4/3/2008 2.0-3.0'	B-828 DUP B828 (2.0-3.0') DUP 4/3/2008 2.0-3.0'	B-829 B829 (2.0-3.0') 4/2/2008 2.0-3.0'	B-830 B830 (2.0-3.0') 4/3/2008 2.0-3.0'	B-831 B831 (1.0-3.0') 4/3/2008 1.0-3.0'	B-832 B832 (2.0-3.0') 4/4/2008 2.0-3.0'
Benzene	12	100	2,300	1	1.6	2.20	0.03	---	(mg/kg)	<0.0011	<0.0016	0.0014	0.0021	0.0533	<0.0013	0.0021	0.0062
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	<0.0056	<0.008	<0.0063	<0.0065	0.0013	<0.0064	<0.0067	<0.0069
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	<0.0056	<0.008	<0.0063	<0.0065	0.0028	<0.0064	<0.0067	0.0015
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	<0.0056	<0.008	0.0018	0.0016	0.006	<0.0064	<0.0067	<0.0069
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.189	0.032	0.285	0.076
Acenaphthylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	85	0.07	(mg/kg)	<0.004	0.010	<0.004	<0.004	0.318	0.075	4.24	0.332
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	<0.004	0.009	<0.004	<0.004	0.331	0.086	4.99	0.718
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	<0.004	0.033	0.014	0.012	2.16	0.429	10.7	1.29
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	<0.004	0.026	0.011	0.012	2.25	0.500	8.77	1.26
Benzo(b)fluoranthene	0.9	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	<0.004	0.026	0.017	0.018	2.80	0.660	11.80	1.59
Benzo(ghi)perylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	27000	1.70	(mg/kg)	<0.004	0.016	0.009	0.010	1.29	0.342	4.05	0.637
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	<0.004	0.028	0.005	0.006	1.11	0.251	4.51	0.585
Chrysene	88.0	780	17000	-----	-----	-----	160	2.70	(mg/kg)	<0.004	0.034	0.012	0.012	2.12	0.487	11.2	1.19
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<0.004	0.007	<0.004	<0.004	0.422	0.105	1.55	0.230
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	<0.004	0.054	0.028	0.017	2.92	0.771	25.8	2.44
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.172	0.028	1.33	0.338
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	<0.004	0.016	0.008	0.009	1.28	0.316	4.54	0.629
Naphthalene	1600	41000	4100	170	270	1.80	12.0	0.20	(mg/kg)	<0.004	<0.004	<0.004	0.004	0.074	0.037	0.466	1.12
Phenanthrene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	200	2.50	(mg/kg)	<0.004	0.035	0.010	0.008	1.16	0.338	18.7	1.90
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	<0.004	0.049	0.023	0.015	2.69	0.638	19.2	1.95

[(1)] Non-TACO or provisional ROs published by the IEPA.
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Constituent exceeds one or more Tier 1 RO.
<0.0059 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective for that constituent
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-1
BTEX and PAHs - Less than 3 Feet

Former MGP Site
Champaign, Illinois
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		Soil Ingestion			Soil Inhalation		Soil Component to Groundwater	PAH Background		B-833 B833 (2.0-3.0') 4/2/2008	B-834 B834 (1.0-2.0 ft) 4/7/2008	B-837 B837 (0.5-2.0 ft) 4/14/2008	B-838 B838 (1.0-2.0 ft) 4/4/2008	B-839 B839 (2.0-3.0 ft) 4/14/2008	B-840 B840 (1.0-2.0 ft) 4/15/2008	B-843 B843 (2.0-3.0 ft) 5/6/2008	B-844 B844 (1.0-2.0 ft) 5/6/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	2.0-3.0'	1.0-2.0 ft	0.5-2.0	1.0-2.0 ft	2.0-3.0	1.0-2.0	2.0-3.0	1.0-2.0
Benzene	12	100	2,300	1	1.6	2.20	0.03	---	(mg/kg)	0.017	<0.001	0.0013	<0.0015	<0.0014	0.002	<0.0011	<0.0012
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	<0.006	<0.005	<0.0054	<0.0073	<0.0071	<0.0067	<0.0055	<0.0060
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.0025	<0.005	0.0015	<0.0073	<0.0071	<0.0067	<0.0055	<0.0060
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	0.0021	0.0011	0.0011	<0.0073	<0.0071	<0.0067	<0.0055	<0.0060
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<0.402	0.005	<0.021	<0.004	<0.004	<0.005	<0.004	<0.009
Acenaphthylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	85	0.07	(mg/kg)	4.15	0.004	0.137	0.019	<0.004	0.062	<0.004	0.035
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	1.59	0.007	0.108	0.039	<0.004	0.018	<0.004	0.026
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	5.10	0.017	0.664	0.113	0.005	0.134	<0.004	0.119
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	8.10	0.012	0.785	0.094	<0.004	0.169	<0.004	0.135
Benzo(b)fluoranthene	0.9	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	9.26	0.017	0.986	0.128	0.006	0.232	<0.004	0.169
Benzo(ghi)perylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	27000	1.70	(mg/kg)	7.21	0.007	0.509	0.046	<0.004	0.120	<0.004	0.084
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	2.63	0.005	0.357	0.049	<0.004	0.082	<0.004	0.06
Chrysene	88.0	780	17000	-----	-----	-----	160	2.70	(mg/kg)	6.02	0.02	0.697	0.117	<0.004	0.144	<0.004	0.144
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	1.39	<0.004	0.165	0.018	<0.004	0.037	<0.004	0.023
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	7.53	0.03	0.980	0.270	<0.004	0.220	<0.004	0.23
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	0.528	0.004	0.020	0.010	<0.004	0.006	<0.004	0.012
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	5.23	0.006	0.484	0.049	<0.004	0.113	<0.004	0.077
Naphthalene	1600	41000	4100	170	270	1.80	12.0	0.20	(mg/kg)	0.37	0.008	0.059	0.006	<0.004	0.011	<0.004	0.011
Phenanthrene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	200	2.50	(mg/kg)	3.80	0.090	0.343	0.163	<0.004	0.073	<0.004	0.162
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	12.3	0.035	0.878	0.200	<0.004	0.194	<0.004	0.232

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.0059 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective for that constituent
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-1
BTEX and PAHs - Less than 3 Feet

Former MGP Site
Champaign, Illinois
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CONSTITUENT	Soil Ingestion Residential	Soil Ingestion Commercial	Soil Ingestion Construction	Soil Inhalation Residential	Soil Inhalation Commercial	Soil Inhalation Construction	Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	B-848 B848 (2.0-3.0 ft) 5/7/2008 2.0-3.0	B-849 B849 (0.0-1.0 ft) 5/7/2008 0.0-1.0	B-852 B852 (2.0-3.0 ft) 5/9/2008 2.0-3.0	B-853 B853 (2.0-3.0 ft) 6/23/2008 2.0-3.0	B-854 B854 (2.0-3.0 ft) 6/24/2008 2.0-3.0	B-855 B855 (2.0-3.0 ft) 6/26/2008 2.0-3.0	B-501 B-501-2 7/13/2004 1'-2'	B-502 B-502-3 7/13/2004 2'-3'
Benzene	12	100	2,300	1	1.6	2.20	0.03	---	(mg/kg)	0.0013	0.0012	0.0012	0.001	<0.001	<0.001	0.0019	0.0034
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	<0.0057	<0.0053	<0.0056	0.0019	<0.005	<0.0049	<0.0011	0.0021
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	<0.0057	0.0011	<0.0056	0.0017	<0.005	<0.0049	<0.0011	0.0055
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	<0.0057	<0.0053	0.0017	0.0022	<0.005	<0.0049	<0.0011	0.0065
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<0.008	<0.004	<0.004	<0.004	<0.004	<0.004	<0.012	<0.029
Acenaphthylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	85	0.07	(mg/kg)	0.024	0.010	0.005	0.011	0.004	0.005	0.078	0.034
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	0.011	0.006	<0.004	0.007	0.005	0.005	0.041	<0.029
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	0.067	0.033	0.020	0.031	0.021	0.018	0.270	0.110
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	0.089	0.039	0.023	0.037	0.019	0.02	0.360	0.160
Benzo(b)fluoranthene	0.9	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	0.103	0.058	0.032	0.05	0.026	0.028	0.490	0.230
Benzo(ghi)perylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	27000	1.70	(mg/kg)	0.050	0.025	0.015	0.026	0.011	0.015	0.210	0.120
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	0.032	0.020	0.011	0.017	0.012	0.013	0.190	0.084
Chrysene	88.0	780	17000	-----	-----	-----	160	2.70	(mg/kg)	0.075	0.043	0.023	0.04	0.021	0.021	0.320	0.120
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	0.013	0.007	0.004	0.007	0.005	0.007	0.061	<0.029
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	0.091	0.062	0.036	0.055	0.035	0.034	0.440	0.110
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	<0.008	<0.004	<0.004	<0.004	<0.004	<0.004	<0.012	<0.029
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	0.042	0.024	0.014	0.022	0.011	0.014	0.240	0.084
Naphthalene	1600	41000	4100	170	270	1.80	12.0	0.20	(mg/kg)	0.014	0.006	<0.004	<0.004	<0.004	<0.004	0.033	0.120
Phenanthrene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	200	2.50	(mg/kg)	0.053	0.035	0.016	0.032	0.017	0.022	0.170	0.078
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	0.111	0.064	0.032	0.057	0.031	0.030	0.440	0.140

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.0059 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective for that constituent
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-1
BTEX and PAHs - Less than 3 Feet

Former MGP Site
Champaign, Illinois
AmerenIP

CONSTITUENT	Soil Ingestion Residential	Soil Ingestion Commercial	Soil Ingestion Construction	Soil Inhalation Residential	Soil Inhalation Commercial	Soil Inhalation Construction	Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	B-503 B-503-3 7/13/2004 2'-3'	B-504 B-504-3 7/13/2004 2'-3'	B-505 B-505-3 7/14/2004 2'-3'	B-506 B-506-3 7/22/2004 2'-3'	B-507 B-507-1 7/21/2004 0-1'	B-508 B-508-3 7/19/2004 2'-3'	B-509 B-509-3 7/21/2004 2'-3'	B-510 B-510-2 7/12/2004 1'-2'
Benzene	12	100	2,300	1	1.6	2.20	0.03	---	(mg/kg)	13.9	0.0877	0.0477	3.820	0.005	0.0282	0.0142	0.0312
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	4.24	0.0321	0.149	1.390	0.0011	0.0018	0.004	0.0022
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	6.28	0.0383	0.0313	3.320	0.0039	0.0071	0.0112	0.0076
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	9.92	0.0653	0.139	5.480	0.0032	0.0063	0.0112	0.0081
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<44.0	0.610	6.90	1.30	0.110	0.390	<0.120	<2.30
Acenaphthylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	85	0.07	(mg/kg)	<49.0	0.150	70.0	18.0	1.0	5.40	1.20	<2.50
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	51.0	0.460	15.0	4.50	0.510	1.70	0.330	<2.20
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	69.0	0.250	45.0	18.0	0.950	5.90	1.50	2.90
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	67.0	0.190	140.0	49.0	2.0	23.0	3.30	3.20
Benzo(b)fluoranthene	0.9	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	76.0	0.210	120.0	56.0	1.70	19.0	3.50	4.50
Benzo(ghi)perylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	27000	1.70	(mg/kg)	<41.0	0.064	38.0	17.0	0.650	7.40	1.60	<2.20
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	<36.0	0.086	33.0	16.0	0.530	4.50	1.0	<1.80
Chrysene	88.0	780	17000	-----	-----	-----	160	2.70	(mg/kg)	62.0	0.240	47.0	23.0	1.10	8.10	2.0	3.60
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<36.0	0.025	13.0	5.20	0.170	1.80	0.410	<1.90
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	120.0	0.680	37.0	18.0	1.50	8.20	2.0	3.70
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	<43.0	0.430	9.90	2.80	0.250	0.750	0.120	<2.20
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	<39.0	0.081	41.0	17.0	0.610	6.30	1.40	<2.00
Naphthalene	1600	41000	4100	170	270	1.80	12.0	0.20	(mg/kg)	71.0	6.80	21.0	11.0	0.60	1.20	0.290	<2.70
Phenanthrene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	200	2.50	(mg/kg)	130.0	1.10	18.0	10.0	1.80	2.90	0.820	2.0
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	110.0	0.52	96.0	30.0	2.30	16.0	3.10	5.80

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.0059 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective for that constituent
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-1
BTEX and PAHs - Less than 3 Feet

Former MGP Site
Champaign, Illinois
AmerenIP

CONSTITUENT	Soil Ingestion Residential	Soil Ingestion Commercial	Soil Ingestion Construction	Soil Inhalation Residential	Soil Inhalation Commercial	Soil Inhalation Construction	Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	B-512 B-512-3 7/12/2004 2'-3'	B-513 B-513-2 7/12/2004 1'-2'	B-514 B-514-3 7/22/2004 2'-3'	B-515 B-515-2 7/16/2004 1'-2'	B-516 B-516-3 7/22/2004 2'-3'	B-550 B-550-3 7/20/2004 2'-3'	B-551 B-551-3 7/15/2004 2'-3'	B-553 B-553-3 7/14/2004 2'-3'
Benzene	12	100	2,300	1	1.6	2.20	0.03	---	(mg/kg)	0.0083	0.0076	0.0326	0.0043	0.0051	0.0058	0.972	0.195
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	0.0013	<0.0011	0.0174	0.0213	0.0054	0.0136	0.282	0.200
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.0049	0.0032	0.0103	0.003	0.0045	0.0038	0.244	0.370
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	0.0038	0.0018	0.0254	0.0264	0.0065	0.0259	0.276	0.456
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	0.330	0.052	<1.90	1.10	<1.80	<12.0	3.70	8.50
Acenaphthylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	85	0.07	(mg/kg)	1.23	0.10	2.60	1.90	40.0	<13.0	14.0	26.0
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	1.74	0.220	2.40	1.0	9.70	<11.0	20.0	8.40
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	2.87	0.80	4.60	2.20	42.0	<9.40	52.0	10.0
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	2.94	0.820	5.90	4.0	120.0	<8.60	68.0	55.0
Benzo(b)fluoranthene	0.9	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	4.31	1.30	7.60	4.40	130.0	<8.80	83.0	50.0
Benzo(ghi)perylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	27000	1.70	(mg/kg)	1.34	0.310	3.80	1.30	50.0	<11.0	28.0	26.0
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	1.50	0.490	2.70	1.30	36.0	<9.30	25.0	12.0
Chrysene	88.0	780	17000	-----	-----	-----	160	2.70	(mg/kg)	3.23	0.930	4.90	2.80	62.0	<9.90	51.0	18.0
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	0.43	0.120	<1.50	0.350	14.0	<9.50	9.0	5.0
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	7.83	1.70	6.30	3.30	27.0	19.0	93.0	17.0
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	1.07	0.051	1.90	0.720	4.0	12.0	7.10	7.80
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	1.62	0.40	3.40	1.20	47.0	<10.0	33.0	21.0
Naphthalene	1600	41000	4100	170	270	1.80	12.0	0.20	(mg/kg)	0.58	0.052	<2.20	1.80	10.0	<14.0	8.40	2.20
Phenanthrene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	200	2.50	(mg/kg)	5.99	0.840	6.50	3.30	8.70	14.0	47.0	9.40
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	6.02	1.300	8.50	5.70	67.00	21.0	76.0	27.0

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.0059 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective for that constituent
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-1
BTEX and PAHs - Less than 3 Feet

Former MGP Site
Champaign, Illinois
AmerenIP

CONSTITUENT	Soil Ingestion Residential	Soil Ingestion Commercial	Soil Ingestion Construction	Soil Inhalation Residential	Soil Inhalation Commercial	Soil Inhalation Construction	Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	B-554 B-554-3 7/15/2004 2'-3'	B-556 B-556-3 7/20/2004 2'-3'	B-557 B-557-1 7/20/2004 0-1'	B-558 B-558-2 7/19/2004 1'-2'	B-559 B-559-3 7/19/2004 2'-3'	B-560 B-560-3 7/16/2004 2'-3'	B-561 B-561-1 7/15/2004 0-1'	B-562 B-562-1 7/15/2004 0-1'
Benzene	12	100	2,300	1	1.6	2.20	0.03	---	(mg/kg)	0.180	0.0103	0.0053	0.0023	0.0007	0.0619	0.0046	0.0087
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	0.256	0.0115	0.0021	0.0045	<0.0010	0.0023	0.0032	0.0037
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.211	0.0262	0.0036	0.0072	<0.0010	0.0126	0.0044	0.0086
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	0.624	0.0416	0.0052	0.0118	0.002	0.0067	0.0086	0.0099
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<3.0	1.40	0.170	<0.450	<0.024	0.180	<0.320	0.076
Acenaphthylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	85	0.07	(mg/kg)	9.20	5.90	0.880	<0.500	<0.024	8.40	1.0	0.510
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	<2.80	4.40	0.620	<0.420	<0.024	1.30	0.570	0.260
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	<2.40	6.40	3.60	0.450	0.140	8.60	2.30	1.40
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	8.50	18.0	5.20	0.50	0.190	36.0	4.10	2.30
Benzo(b)fluoranthene	0.9	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	8.20	13.0	6.0	0.610	0.270	27.0	5.50	3.70
Benzo(ghi)perylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	27000	1.70	(mg/kg)	8.50	6.10	2.70	<0.420	0.110	13.0	2.10	0.540
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	<2.40	3.70	1.90	<0.360	0.088	7.90	2.0	1.40
Chrysene	88.0	780	17000	-----	-----	-----	160	2.70	(mg/kg)	4.30	7.90	3.80	0.450	0.150	11.0	3.40	1.70
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<2.50	1.50	0.72	<0.370	0.042	4.20	0.610	0.180
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	4.60	9.20	6.30	0.690	0.190	11.0	4.70	2.40
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	<2.90	3.90	0.11	<0.440	<0.024	0.98	0.34	0.093
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	4.40	5.30	2.50	<0.400	0.110	12.0	2.20	0.640
Naphthalene	1600	41000	4100	170	270	1.80	12.0	0.20	(mg/kg)	<3.50	5.30	0.98	<0.530	0.037	1.90	0.45	0.230
Phenanthrene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	200	2.50	(mg/kg)	3.30	9.90	2.80	<0.380	0.067	3.0	2.10	0.860
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	8.50	18.0	6.0	0.650	0.170	32.0	4.20	2.20

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.0059 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective for that constituent
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

Table 5-2
Metals and Cyanide - 0 to 3 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil								Sample Location:	B-800	B-803	B-804	B-805	B-809	B-811
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater		Sample ID:	B800 (2.0-3.0)	B803 (2.0-3.0)	B804 (1.5-2.5)	B805 (1.0-2.0)	B809 (2.0-3.0)	B811 (2.0-3.0)
									Sample Date:	4/14/2008	5/7/2008	4/8/2008	4/9/2008	5/8/2008	5/5/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I) mg/L	UNITS	Sample Depth (feet):	2.0-3.0	2.0-3.0	1.5-2.5	1.0-2.0	2.0-3.0	2.0-3.0
Arsenic	13.0	13.0	61	750	1200	25000	31	mg/kg		6.22	5.49	4.34	23.2	4.34	2.81
Chromium	230	6,100	4100	270	420	690	28	mg/kg		16.5	21.2	24.0	22.1	7.08	20.0
Lead	400	800	700	---	---	---	107	mg/kg		74.4	145.0	111.0	233.0	48.5	16.8
Cyanide (amenable)	1600	41000	4100	---	---	---	40	mg/kg		<0.61	<0.57	<0.65	<0.62	<0.61	<0.63
Cyanide (total)	---	---	---	---	---	---	---	mg/kg		0.39	0.37	<0.65	0.36	1.23	0.32

--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

Table 5-2
Metals and Cyanide - 0 to 3 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil								Sample Location:	B-814	B-815	B-817	B-819	B-822	B-824
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater		Sample ID:	B814 (0.0-2.0)	B815 (2.0-3.0)	B817 (2.0-3.0)	B819 (2.0-3.0)	B822 (1.0-3.0)	B824 (1.0-3.0)
									Sample Date:	4/1/2008	4/7/2008	4/7/2008	4/7/2008	4/1/2008	4/4/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I) mg/L	UNITS	Sample Depth (feet):	0.0-2.0	2.0-3.0	2.0-3.0	2.0-3.0	1.0-3.0	1.0-3.0
Arsenic	13.0	13.0	61	750	1200	25000	31	mg/kg		5.29	5.68	4.16	6.16	3.45	6.31
Chromium	230	6,100	4100	270	420	690	28	mg/kg		23.4	23.7	20.2	22.6	24.9	18.6
Lead	400	800	700	---	---	---	107	mg/kg		53.3	18.8	30.8	443.0	17.3	131.0
Cyanide (amenable)	1600	41000	4100	---	---	---	40	mg/kg		<0.92	<0.63	<0.63	<0.58	<6.24	<0.61
Cyanide (total)	---	---	---	---	---	---	---	mg/kg		6.58	<0.63	1.34	18.1	52.4	<0.61

--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

Table 5-2
Metals and Cyanide - 0 to 3 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil								Sample Location:	B-831	B-832	B-837	B-839	B-843	B-844
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater		Sample ID:	B831 (1.0-3.0)	B832 (2.0-3.0)	B837 (0.5-2.0)	B839 (2.0-3.0)	B843 (2.0-3.0)	B844 (1.0-2.0)
									Sample Date:	4/3/2008	4/4/2008	4/14/2008	4/14/2008	5/6/2008	5/6/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I) mg/L	UNITS	Sample Depth (feet):	1.0-3.1	2.0-3.0	0.5-2.0	2.0-3.0	2.0-3.0	1.0-2.0
Arsenic	13.0	13.0	61	750	1200	25000	31	mg/kg		6.5	4.16	5.95	5.34	3.16	9.60
Chromium	230	6,100	4100	270	420	690	28	mg/kg		12.2	17	19.0	32.2	27.0	20.20
Lead	400	800	700	---	---	---	107	mg/kg		87.4	74.2	85.2	19.3	27.3	150.0
Cyanide (amenable)	1600	41000	4100	---	---	---	40	mg/kg		<0.63	<0.65	<0.59	<0.60	<0.62	<0.60
Cyanide (total)	---	---	---	---	---	---	---	mg/kg		0.72	7.52	0.48	<0.62	<0.60	0.51

--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

Table 5-2
Metals and Cyanide - 0 to 3 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil								Sample Location:	B-849	B-852
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater		Sample ID:	B849 (0.0-1.0)	B852 (2.0-3.0)
									Sample Date:	5/7/2008	5/9/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I) mg/L	UNITS	Sample Depth (feet):	0.0-1.0	2.0-3.0
Arsenic	13.0	13.0	61	750	1200	25000	31	mg/kg		2.0	4.62
Chromium	230	6,100	4100	270	420	690	28	mg/kg		27.5	23.5
Lead	400	800	700	---	---	---	107	mg/kg		107.0	51.9
Cyanide (amenable)	1600	41000	4100	---	---	---	40	mg/kg		<0.60	<0.63
Cyanide (total)	---	---	---	---	---	---	---	mg/kg		0.52	<0.63

--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									Sample Location:	B-800	B-801	B-802	B-803	B-804	B-805
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		Sample ID:	B800 (9.0-10.0')	B801 (9.0-10.0')	B802 (8.5-10.0')	B803 (9.0-10.0')	B804 (8.5-9.5')	B805 (7.0-8.0')
										Sample Date:	4/14/2008	4/8/2008	4/15/2008	5/7/2008	4/8/2008	4/9/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	Sample Depth (feet):	9.0-10.0	9.0-10.0	8.5-10.0	9.0-10.0	8.5-9.5	7.0-8.0
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		0.0018	0.0027	1.92	0.0008	0.004	0.0033
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		<0.0045	0.0023	3.11	<0.0052	0.0036	0.0022
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.0034	0.0063	0.11	<0.0052	0.010	0.0065
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.0011	0.006	3.99	<0.0052	0.0109	0.0042
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		<0.040	0.013	9.50	0.026	<0.004	<0.004
Acenaphthylene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	85	0.07	(mg/kg)		0.300	0.022	9.63	0.008	<0.004	<0.004
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		0.304	<0.004	8.89	0.018	<0.004	<0.004
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		2.09	<0.004	5.15	0.015	<0.004	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		2.56	<0.004	4.59	0.012	<0.004	<0.004
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		3.03	<0.004	3.66	0.01	<0.004	<0.004
Benzo(ghi)perylene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	27000	1.70	(mg/kg)		1.41	<0.004	1.59	0.005	<0.004	<0.004
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		1.13	<0.004	1.09	<0.004	<0.004	<0.004
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		2.17	<0.004	5.2	0.014	<0.004	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		0.484	<0.004	0.591	<0.004	<0.004	<0.004
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		3.14	<0.004	10.4	0.025	<0.004	<0.004
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		0.062	<0.004	9.83	0.015	<0.004	<0.004
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		1.42	<0.004	1.28	0.004	<0.004	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		0.177	<0.004	24.3	0.062	<0.004	<0.004
Phenanthrene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	200	2.50	(mg/kg)		1.02	<0.004	31.5	0.063	<0.004	<0.004
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		3.02	<0.004	15.1	0.037	<0.004	<0.004

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									Sample Location:	B-806	B-807	B-809	B-811	B-812	B-813
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		Sample ID:	B806 (8.5-9.5')	B807 (8.5-9.5')	B809 (9.0-10.0')	B811 (9.0-10.0')	B812 (9.0-10.0')	B813 (6.0-7.0')
										Sample Date:	4/8/2008	4/8/2008	5/8/2008	5/5/2008	5/5/2008	4/7/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	Sample Depth (feet):	8.5-9.5	8.5-9.5	9.0-10.0	9.0-10.0	9.0-10.0	6.0-7.0
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		<0.0009	0.0022	0.0016	<0.008	0.003	0.0038
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		<0.0046	0.0017	<0.0043	<0.0042	0.0021	0.0042
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.0018	0.005	0.0014	<0.0042	0.0071	0.0112
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.0016	0.0036	<0.0043	<0.0042	0.005	0.0117
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		<0.004	<0.004	<0.004	0.008	<0.004	<0.004
Acenaphthylene	2300 [1]	61000 [1]	61000 [1]	---	---	---	85	0.07	(mg/kg)		<0.004	<0.004	<0.004	0.017	<0.004	<0.004
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		<0.004	<0.004	0.004	<0.004	<0.004	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(ghi)perylene	2300 [1]	61000 [1]	61000 [1]	---	---	---	27000	1.70	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Phenanthrene	2300 [1]	61000 [1]	61000 [1]	---	---	---	200	2.50	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									Sample Location:	B-814	B-815	B-816	B-817	B-818	B-819
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		Sample ID:	B814 (7.0-8.0')	B815 (7.0-8.0')	B816 (9.0-10.0')	B817 (8.0-9.0')	B818 (7.0-9.0')	B819 (8.5-9.5')
										Sample Date:	4/1/2008	4/7/2008	4/1/2008	4/7/2008	4/1/2008	4/7/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	Sample Depth (feet):	7.0-8.0'	7.0-8.0'	9.0-10.0'	8.0-9.0'	7.0-9.0'	8.5-9.5
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		0.0012	0.0028	0.0015	0.001	<0.0401	<0.0010
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		<0.0061	0.0023	<0.0061	<0.0046	7.54	<0.0048
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.0018	0.0064	<0.0061	0.0014	<0.201	<0.0048
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.0013	0.0049	<0.0061	<0.0046	3.95	<0.0048
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		<0.004	<0.004	0.013	<0.004	0.943	<0.004
Acenaphthylene	2300 [1]	61000 [1]	61000 [1]	---	---	---	85	0.07	(mg/kg)		<0.004	<0.004	0.009	0.009	0.613	<0.004
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		<0.004	<0.004	<0.004	<0.004	1.14	<0.004
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		<0.004	<0.004	<0.004	0.016	0.858	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		<0.004	<0.004	<0.004	0.018	0.921	<0.004
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		<0.004	<0.004	<0.004	0.015	0.713	<0.004
Benzo(ghi)perylene	2300 [1]	61000 [1]	61000 [1]	---	---	---	27000	1.70	(mg/kg)		<0.004	<0.004	<0.004	0.010	0.338	<0.004
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		<0.004	<0.004	<0.004	0.005	0.227	<0.004
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		<0.004	<0.004	<0.004	0.015	0.820	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.099	<0.004
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		<0.004	<0.004	<0.004	0.026	1.82	<0.004
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.815	<0.004
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		<0.004	<0.004	<0.004	0.008	0.293	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.082	<0.004
Phenanthrene	2300 [1]	61000 [1]	61000 [1]	---	---	---	200	2.50	(mg/kg)		<0.004	<0.004	<0.004	0.009	3.77	<0.004
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		<0.004	<0.004	0.005	0.056	2.64	<0.004

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									Sample Location:	B-820	B-821	B-822	B-822	B-823	B-823
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		Sample ID:	B820 (8.5-9.5')	B821 (9.0-10.0')	B822 (7.0-8.0')	B822 (6.0-8.0')	B823 (3.0-4.0')	B823 (9.0-10.0')
										Sample Date:	4/4/2008	4/4/2008	4/1/2008	4/1/2008	4/1/2008	4/1/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	Sample Depth (feet):	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		<0.0010	0.0052	<0.0064	<0.0159	<0.0014	0.0029
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		<0.0051	0.0033	<0.0321	<0.0795	<0.0068	0.0108
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		<0.0051	0.0089	<0.0321	<0.0795	0.0014	0.0058
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		<0.0051	0.0073	<0.0321	0.025	0.0026	0.0326
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		<0.004	<0.004	<0.005	<0.004	<0.005	<0.022
Acenaphthylene	2300 [1]	61000 [1]	61000 [1]	---	---	---	85	0.07	(mg/kg)		<0.004	<0.004	0.213	0.037	0.045	0.372
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		<0.004	<0.004	0.010	0.007	0.010	0.060
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		<0.004	0.004	0.018	0.012	0.057	0.484
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		<0.004	<0.004	0.029	0.014	0.067	0.732
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		<0.004	<0.004	0.053	0.015	0.065	0.350
Benzo(ghi)perylene	2300 [1]	61000 [1]	61000 [1]	---	---	---	27000	1.70	(mg/kg)		<0.004	<0.004	0.054	0.016	0.059	0.337
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		<0.004	<0.004	0.018	0.006	0.060	0.368
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		<0.004	<0.004	0.017	0.008	0.058	0.494
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		<0.004	<0.004	0.015	<0.004	0.018	0.085
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		<0.004	0.004	0.019	0.010	0.063	0.467
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		<0.004	<0.004	0.007	0.004	<0.005	0.022
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		<0.004	<0.004	0.045	0.013	0.057	0.259
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		<0.004	0.006	0.012	0.010	0.008	<0.022
Phenanthrene	2300 [1]	61000 [1]	61000 [1]	---	---	---	200	2.50	(mg/kg)		<0.004	0.004	0.008	0.013	0.032	<0.022
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		<0.004	0.008	0.030	0.029	0.072	1.08

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									Sample Location:	B-824	B-825	B-826	B-827	B-828	B-829
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		Sample ID:	B824 (9.0-10.0')	B825 (8.0-9.0')	B826 (8.0-9.0')	B827 (7.0-8.0')	B828 (9.0-10.0)	B829 (6.0-7.0')
										Sample Date:	4/4/2008	4/3/2008	4/3/2008	4/2/2008	4/3/2008	4/2/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	Sample Depth (feet):	9.0-10.0'	8.0-9.0	8.0-9.0	7.0-8.0'	9.0-10.0	6.0-7.0'
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		<0.0235	0.0023	0.002	<0.0227	0.0314	0.253
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		0.034	0.0021	0.0017	<0.113	0.0534	0.066
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		<0.118	0.0062	0.0042	<0.113	0.0109	<0.132
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		<0.118	0.0048	0.0042	<0.113	0.0322	0.061
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		0.148	<0.004	<0.004	0.031	0.004	2.0
Acenaphthylene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	85	0.07	(mg/kg)		0.515	<0.004	<0.004	0.072	<0.004	0.240
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		0.639	<0.004	<0.004	0.016	<0.004	0.975
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		0.585	<0.004	0.004	0.019	<0.004	0.673
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		0.673	<0.004	<0.004	0.059	<0.004	0.545
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		0.301	<0.004	<0.004	0.082	<0.004	0.513
Benzo(ghi)perylene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	27000	1.70	(mg/kg)		0.308	<0.004	<0.004	0.053	<0.004	0.227
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		0.375	<0.004	<0.004	0.019	<0.004	0.179
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		0.550	<0.004	<0.004	0.018	<0.004	0.625
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		0.076	<0.004	<0.004	0.015	<0.004	0.071
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		1.01	0.004	0.005	0.019	<0.004	1.68
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		0.666	<0.004	<0.004	0.043	<0.004	1.38
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		0.240	<0.004	<0.004	0.047	<0.004	0.194
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		<0.02	0.008	<0.004	<0.008	0.023	0.063
Phenanthrene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	200	2.50	(mg/kg)		2.38	0.007	0.006	0.008	<0.004	4.10
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		1.51	<0.004	0.004	0.099	<0.004	2.03

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									Sample Location:	B-830	B-831	B-832	B-833	B-834	B-837
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		Sample ID:	B830 (8.0-9.0')	B831 (9.0-10.0')	B832 (7.0-8.0')	B833 (9.0-10.0')	B834 (6.0-7.0')	B837 (9.0-10.0')
										Sample Date:	4/3/2008	4/3/2008	4/4/2008	4/2/2008	4/4/2008	4/14/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	Sample Depth (feet):	8.0-9.0	9.0-10.0	7.0-8.0	9.0-10.0'	6.0-7.0	9.0-10.0
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		0.0015	8.45	<0.0011	13.20	<0.0256	0.0034
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		<0.0058	32.6	<0.0056	5.50	<0.128	<0.0039
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.0021	18.8	<0.0056	34.90	<0.128	0.0014
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.0014	105.0	<0.0056	54.0	<0.128	0.0011
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		<0.004	53.4	<0.004	3.09	0.478	<0.004
Acenaphthylene	2300 [1]	61000 [1]	61000 [1]	---	---	---	85	0.07	(mg/kg)		<0.004	11.0	<0.004	11.70	0.052	<0.004
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		<0.004	33.2	<0.004	11.0	0.287	<0.004
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		<0.004	22.3	<0.004	6.26	0.133	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		<0.004	17.1	<0.004	4.38	0.075	<0.004
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		<0.004	18.0	<0.004	4.86	0.073	<0.004
Benzo(ghi)perylene	2300 [1]	61000 [1]	61000 [1]	---	---	---	27000	1.70	(mg/kg)		<0.004	6.17	<0.004	1.30	0.033	<0.004
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		<0.004	6.95	<0.004	1.93	0.026	<0.004
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		<0.004	20.5	<0.004	5.35	0.134	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		<0.004	2.28	<0.004	0.517	0.010	<0.004
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		<0.004	54.4	<0.004	17.0	0.388	<0.004
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		<0.004	45.3	<0.004	14.2	0.354	<0.004
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		<0.004	6.30	<0.004	1.43	0.028	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		<0.004	274.0	<0.004	52.2	0.005	<0.004
Phenanthrene	2300 [1]	61000 [1]	61000 [1]	---	---	---	200	2.50	(mg/kg)		<0.004	103.0	<0.004	36.5	0.365	<0.004
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		<0.004	48.9	<0.004	14.3	0.498	<0.004

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									Sample Location:	B-838	B-839	B-840	B-843	B-844	B-845
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		Sample ID:	B838 (9.0-10.0')	B839 (6.0-7.0')	B840 (7.0-8.0')	B843 (7.0-8.0')	B844 (8.0-9.0')	B845 (6.0-7.0')
										Sample Date:	4/4/2008	4/14/2008	4/15/2008	5/6/2008	5/6/2008	5/6/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	Sample Depth (feet):	9.0-10.0	6.0-7.0	7.0-8.0	7.0-8.0	8.0-9.0	6.0-7.0
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		0.0027	<0.0009	<0.001	0.0031	0.0031	0.0025
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		0.0018	<0.0043	<0.0049	0.0028	0.0079	0.0022
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.0064	<0.0043	<0.0049	0.0061	0.0055	0.0072
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.0035	<0.0043	<0.0049	0.0044	0.0111	0.0048
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Acenaphthylene	2300 [1]	61000 [1]	61000 [1]	---	---	---	85	0.07	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.014	<0.004
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.02	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.028	<0.004
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.024	<0.004
Benzo(ghi)perylene	2300 [1]	61000 [1]	61000 [1]	---	---	---	27000	1.70	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.014	<0.004
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.007	<0.004
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.018	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.004	<0.004
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.016	<0.004
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.011	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Phenanthrene	2300 [1]	61000 [1]	61000 [1]	---	---	---	200	2.50	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	0.004
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.039	<0.004

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									Sample Location:	B-846	B-847	B-848	B-849	B-850	B-852
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		Sample ID:	B846 (8.5-9.5')	B847 (6.0-7.0')	B848 (9.0-10.0')	B849 (9.0-10.0')	B850 (8.0-9.0')	B852 (9.0-10.0')
										Sample Date:	5/7/2008	5/7/2008	5/7/2008	5/7/2008	5/8/2008	5/9/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	Sample Depth (feet):	8.5-9.5	6.0-7.0	9.0-10.0	9.0-10.0	8.0-9.0	9.0-10.0
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		0.438	0.0027	0.0058	0.0026	0.0209	0.0025
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		10.1	0.003	0.0039	0.0021	0.0303	0.0016
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		<0.648	0.0068	0.0117	0.0057	0.006	0.005
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		8.82	0.0057	0.0072	0.0046	0.0584	0.004
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		1.87	<0.004	<0.004	<0.004	0.165	<0.004
Acenaphthylene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	85	0.07	(mg/kg)		0.312	<0.004	<0.004	<0.004	0.026	<0.004
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		0.928	<0.004	<0.004	<0.004	0.010	<0.004
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		0.523	0.004	<0.004	<0.004	<0.004	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		0.469	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		0.356	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(ghi)perylene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	27000	1.70	(mg/kg)		0.173	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		0.109	<0.004	<0.004	<0.004	<0.004	<0.004
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		0.518	<0.004	<0.004	<0.004	<0.004	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		0.049	<0.004	<0.004	<0.004	<0.004	<0.004
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		1.08	0.005	<0.004	<0.004	<0.004	<0.004
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		0.941	<0.004	<0.004	<0.004	0.033	<0.004
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		0.142	<0.004	<0.004	<0.004	<0.004	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		5.44	<0.004	<0.004	<0.004	0.129	<0.004
Phenanthrene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	200	2.50	(mg/kg)		2.78	0.011	<0.004	<0.004	0.054	<0.004
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		1.61	0.006	<0.004	<0.004	<0.004	<0.004

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									Sample Location:	B-853	B-854	B-855	B-501	B-502	B-503
		Soil Ingestion			*Soil Inhalation*		Soil Component			Sample ID:	B852 (4.0-5.0 ft)	B852 (7.0-8.0 ft)	B852 (6.0-7.0 ft)	B-501-8	B-502-7	B-503-10
							to Groundwater	PAH Background		Sample Date:	6/23/2008	6/24/2008	6/26/2008	7/13/2004	7/13/2004	7/13/2004
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	Sample Depth (feet):	4.0-5.0	7.0-8.0	6.0-7.0	7'-8'	6'-7'	9'-10'
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		<0.0009	0.0082	0.0035	0.183	10.90	0.534
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		<0.0045	0.0019	0.0036	0.041	5.66	0.523
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.0011	0.0072	0.0091	<0.0246	0.22	0.30
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.0016	0.0046	0.0073	0.041	11.0	0.837
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		<0.004	<0.004	<0.004	0.050	16.0	1.60
Acenaphthylene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	85	0.07	(mg/kg)		<0.004	<0.004	<0.004	0.240	2.70	0.32
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		<0.004	<0.004	<0.004	0.180	12.0	1.40
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		0.005	<0.004	<0.004	0.180	8.70	0.63
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		<0.004	<0.004	<0.004	0.270	4.10	0.52
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		0.004	<0.004	<0.004	0.250	18.0	0.63
Benzo(ghi)perylene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	27000	1.70	(mg/kg)		<0.004	<0.004	<0.004	0.063	4.0	0.11
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		<0.004	<0.004	<0.004	0.097	5.60	0.24
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		<0.004	<0.004	<0.004	0.170	19.0	0.65
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		<0.004	<0.004	<0.004	<0.030	1.90	0.045
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		0.005	<0.004	<0.004	0.340	17.0	1.80
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		<0.004	<0.004	<0.004	0.330	20.0	1.20
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		<0.004	<0.004	<0.004	0.064	4.70	0.13
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		<0.004	<0.004	<0.004	<0.030	59.0	16.0
Phenanthrene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	200	2.50	(mg/kg)		<0.004	<0.004	<0.004	0.038	50.0	3.50
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		0.005	<0.004	<0.004	0.50	25.0	1.50

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									Sample Location:	B-504	B-505	B-506	B-507	B-508	B-509
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		Sample ID:	B-504-7	B-505-6	B-506-7	B-507-8	B-508-9	B-509-8
										Sample Date:	7/13/2004	7/14/2004	7/22/2004	7/21/2004	7/19/2004	7/21/2004
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	Sample Depth (feet):	6'-7'	5'-6'	6'-7'	7'-8'	8'-9'	7'-8'
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		20.8	14.50	11.20	3.51	2.08	0.0046
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		145	79.80	46.20	22.20	33.10	0.0038
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		10.9	3.80	0.74	0.28	0.575	0.0014
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		140	69.90	33.70	16.60	24.30	0.012
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		590.0	540.0	170.0	53.0	51.0	9.80
Acenaphthylene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	85	0.07	(mg/kg)		71.0	81.0	12.0	3.60	5.80	4.70
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		300.0	280.0	71.0	24.0	22.0	7.20
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		170.0	140.0	33.0	9.50	12.0	9.40
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		130.0	140.0	35.0	12.0	10.0	8.70
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		110.0	130.0	29.0	7.90	7.90	6.80
Benzo(ghi)perylene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	27000	1.70	(mg/kg)		<50.0	31.0	7.20	2.40	4.50	2.80
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		<43.0	45.0	7.40	2.30	3.10	2.50
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		150.0	140.0	33.0	8.80	11.0	9.0
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		<44.0	10.0	2.30	0.72	<3.0	<0.620
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		320.0	290.0	78.0	26.0	23.0	18.0
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		410.0	400.0	90.0	35.0	30.0	13.0
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		<47.00	35.0	6.0	2.30	3.50	2.40
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		2000.0	2300.0	790.0	170.0	140.0	<0.880
Phenanthrene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	200	2.50	(mg/kg)		1100.0	920.0	250.0	77.0	64.0	37.0
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		440.0	400.0	110.0	37.0	33.0	25.0

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									Sample Location:	B-510	B-512	B-513	B-514	B-515	B-516
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		Sample ID:	B-510-5	B-512-8	B-513-8	B-514-8	B-515-7	B-516-5
										Sample Date:	7/12/2004	7/12/2004	7/12/2004	7/22/2004	7/16/2004	7/22/2004
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	Sample Depth (feet):	4'-5'	7'-8'	7'-8'	7'-8'	6'-7'	4'-5'
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		0.0043	<0.0244	<0.0101	3.10	9.03	0.656
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		<0.0010	<0.122	0.036	23.50	59.10	4.720
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.0017	<0.122	<0.0202	0.446	2.45	0.289
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.0013	<0.122	0.044	19.80	40.70	1.480
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		<0.031	0.30	1.60	48.0	270.0	7.50
Acenaphthylene	2300 [1]	61000 [1]	61000 [1]	---	---	---	85	0.07	(mg/kg)		0.150	<0.442	2.0	8.80	34.0	5.0
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		0.067	0.15	2.80	19.0	100.0	3.80
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		0.50	<0.442	1.20	11.0	65.0	7.20
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		0.510	<0.442	0.95	13.0	88.0	16.0
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		0.710	<0.442	0.82	8.90	66.0	13.0
Benzo(ghi)perylene	2300 [1]	61000 [1]	61000 [1]	---	---	---	27000	1.70	(mg/kg)		0.280	<0.442	0.42	2.80	26.0	5.0
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		0.220	<0.442	0.28	2.60	25.0	4.20
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		0.590	<0.442	1.10	11.0	74.0	8.40
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		0.074	<0.442	0.11	0.85	11.0	1.30
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		0.650	<0.442	2.10	24.0	150.0	7.60
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		0.048	0.31	4.20	36.0	150.0	5.50
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		0.230	<0.442	0.43	2.70	27.0	4.50
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		0.033	<0.442	<0.066	100.0	510.0	24.0
Phenanthrene	2300 [1]	61000 [1]	61000 [1]	---	---	---	200	2.50	(mg/kg)		0.210	0.644	9.30	72.0	340.0	12.0
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		1.0	0.15	3.20	33.0	190.0	14.0

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									Sample Location:	B-550	B-551	B-553	B-554	B-556	B-557
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		Sample ID:	B-550-9	B-551-10	B-553-6	B-554-10	B-556-6	B-557-10
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	Sample Date:	7/20/2004	7/15/2004	7/14/2004	7/15/2004	7/20/2004	7/20/2004
										Sample Depth (feet):	8'-9'	9'-10'	5'-6'	9'-10'	5'-6'	9'-10'
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		0.610	1.260	4.05	0.765	2.77	0.0071
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		1.260	13.600	20.80	3.91	19.90	0.0074
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.055	0.069	0.811	2.70	<0.206	0.002
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.623	5.720	19.30	6.12	12.20	0.0134
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		5.30	23.0	280.0	77.0	64.0	0.32
Acenaphthylene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	85	0.07	(mg/kg)		0.79	3.0	27.0	7.30	4.20	0.13
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		2.60	13.0	170.0	29.0	28.0	0.18
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		1.60	9.60	120.0	13.0	12.0	0.14
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		1.80	12.0	120.0	14.0	12.0	0.16
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		1.40	11.0	130.0	13.0	8.70	0.13
Benzo(ghi)perylene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	27000	1.70	(mg/kg)		0.41	3.50	29.0	2.20	5.0	0.054
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		0.41	4.20	50.0	4.70	2.40	0.039
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		1.60	10.0	120.0	14.0	13.0	0.14
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		0.16	1.0	9.70	0.79	1.30	0.02
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		2.60	20.0	300.0	32.0	27.0	0.33
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		4.40	15.0	180.0	42.0	26.0	0.20
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		0.37	3.70	34.0	1.90	4.30	0.048
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		2.70	46.0	880.0	1.80	200.0	0.014
Phenanthrene	2300 [(1)]	61000 [(1)]	61000 [(1)]	---	---	---	200	2.50	(mg/kg)		9.60	41.0	540.0	91.0	90.0	1.10
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		3.80	21.0	340.0	42.0	40.0	0.50

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									Sample Location:	B-558	B-559	B-560	B-561	B-562
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		Sample ID:	B-558-7	B-559-8	B-560-5	B-561-10	B-562-10
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	Sample Date:	7/19/2004	7/19/2004	7/16/2004	7/15/2004	7/15/2004
										Sample Depth (feet):	6'-7'	7'-8'	4'-5'	9'-10'	9'-10'
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		0.0525	<0.0128	0.012	1.25	0.286
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		0.066	<0.0256	0.0019	1.38	1.59
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.134	<0.0256	0.0039	0.11	0.726
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.221	0.046	0.0039	3.54	1.66
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		8.10	<0.150	0.38	9.10	28.0
Acenaphthylene	2300 [1]	61000 [1]	61000 [1]	---	---	---	85	0.07	(mg/kg)		2.40	<0.160	6.10	1.60	3.50
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		6.80	<0.140	1.20	4.80	14.0
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		3.20	<0.120	7.20	2.50	6.10
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		3.50	<0.110	25.0	2.0	6.10
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		2.80	<0.110	20.0	1.40	4.50
Benzo(ghi)perylene	2300 [1]	61000 [1]	61000 [1]	---	---	---	27000	1.70	(mg/kg)		0.93	<0.140	6.70	0.84	1.60
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		0.82	<0.120	7.50	0.59	1.50
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		3.10	<0.130	9.0	2.4	6.0
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		0.36	<0.120	1.70	<0.570	<0.630
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		7.30	<0.120	7.50	5.0	14.0
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		8.90	<0.140	0.55	6.30	18.0
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		0.86	<0.130	6.0	<0.620	1.50
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		<0.130	<0.180	2.60	23.0	39.0
Phenanthrene	2300 [1]	61000 [1]	61000 [1]	---	---	---	200	2.50	(mg/kg)		22.0	<0.120	3.20	14.0	45.0
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		12.0	<0.120	23.0	7.40	20.0

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

Table 5-4
Metals and Cyanide - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil								Sample Location:	B-802	B-803	B-804	B-805	B-807	B-809	B-811	B-814	B-815
									Sample ID:	B802 (8.5-10.0)	B803 (9.0-10.0)	B804 (8.5-9.5)	B805 (7.0-8.0)	B807 (8.5-9.5)	B809 (9.0-10.0)	B811(9.0-10.0)	B814(7.0-8.0)	B815(7.0-8.0)
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater		Sample Date:	4/15/2008	5/7/2008	4/8/2008	4/9/2008	4/8/2008	5/8/2008	5/5/2008	4/1/2008	4/7/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I) mg/L	UNITS	Sample Depth (feet):	8.5-10.0	9.0-10.0	8.5-9.5	7.0-8.0	8.5-9.5	9.0-10.0	9.0-10.0	7.0-8.0	7.0-8.0
Arsenic	13.0	13.0	61	750	1200	25000	31	mg/kg		4.34	2.0	5.27	7.08	5.83	3.08	6.47	10.1	8.19
Chromium	230	6,100	4100	270	420	690	28	mg/kg		25	27.0	19.1	13.6	18.2	16.1	15.10	14.2	16.8
Lead	400	800	700	---	---	---	107	mg/kg		15.4	14.2	14.7	14.5	14.2	12.4	10.0	10.1	10.8
Cyanide (amenable)	1600	41000	4100	---	---	---	40	mg/kg		<0.57	<0.61	<0.64	<0.56	<0.57	<0.59	<0.60	<0.61	<0.56
Cyanide (total)	---	---	---	---	---	---	---	mg/kg		0.97	<0.61	<0.63	<0.56	<0.57	<0.59	0.25	11.1	<0.56

--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

Table 5-4
Metals and Cyanide - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil								Sample Location:	B-817	B-818	B-819	B-822	B-823	B-824	B-829	B-831	B-832
									Sample ID:	B816(8.0-9.0)	B818(7.0-9.0)	B819(8.5-9.5)	B822(6.0-8.0)	B822(13.0-15.0)	B824(9.0-10.0)	B829(6.0-7.0)	B831(9.0-10.0)	B832(7.0-8.0)
		Soil Ingestion			*Soil Inhalation*		Soil Component		Sample Date:	4/7/2008	4/1/2008	4/7/2008	4/1/2008	4/1/2008	4/4/2008	4/2/2008	4/3/2008	4/4/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	to Groundwater (Class I) mg/L	UNITS	Sample Depth (feet):	8.0-9.0	7.0-9.0	8.5-9.5	6.0-8.0	13.0-15.0	9.0-10.0	6.0-7.0	9.0-10.0	7.0-8.0
Arsenic	13.0	13.0	61	750	1200	25000	31	mg/kg		9.03	5.49	3.95	9.97	9.99	7.98	8.84	8.22	5.99
Chromium	230	6,100	4100	270	420	690	28	mg/kg		18.4	24.1	20.9	26.4	18.5	16.0	22.9	10.6	25.3
Lead	400	800	700	---	---	---	107	mg/kg		19.4	20.2	16.6	15.9	12.8	11.4	14.9	11.0	17.8
Cyanide (amenable)	1600	41000	4100	---	---	---	40	mg/kg		0.31	<0.62	0.39	<6.23	<0.52	<0.57	<0.6	0.65	<0.64
Cyanide (total)	---	---	---	---	---	---	---	mg/kg		0.32	2.12	0.39	33.10	0.25	<0.56	1.02	<0.57	<0.64

--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

Table 5-4
Metals and Cyanide - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil								Sample Location:	B-833	B-837	B-839	B-843	B-844	B-845	B-849	B-850
									Sample ID:	B833(9.0-10.0)	B837(9.0-10.0)	B839(6.0-7.0)	B843(7.0-8.0)	B844(8.0-9.0)	B845(6.0-7.0)	B849(9.0-10.0)	B850(8.0-9.0)
		Soil Ingestion			*Soil Inhalation*		Soil Component		Sample Date:	4/2/2008	4/14/2008	4/14/2008	5/6/2008	5/6/2008	5/6/2008	5/7/2008	5/8/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	to Groundwater (Class I) mg/L	UNITS	Sample Depth (feet):	9.0-10.0	9.0-10.0	6.0-7.0	7.0-8.0	8.0-9.0	6.0-7.0	9.0-10.0	8.0-9.0
Arsenic	13.0	13.0	61	750	1200	25000	31	mg/kg		2.92	6.37	4.45	6.42	6.35	6.44	5.59	1.9
Chromium	230	6,100	4100	270	420	690	28	mg/kg		24.2	24.4	29.7	14.0	14.0	13.6	13.3	19.4
Lead	400	800	700	---	---	---	107	mg/kg		19.7	17.9	16.9	9.48	9.77	9.36	12.4	14.4
Cyanide (amenable)	1600	41000	4100	---	---	---	40	mg/kg		<0.63	<0.61	<0.59	<0.55	<0.56	<0.60	<0.56	<0.59
Cyanide (total)	---	---	---	---	---	---	---	mg/kg		1.31	<0.61	<0.59	<0.55	<0.56	0.2	<0.56	0.23

--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-800	B-801	B-802	B-802	B-803	B-803	B-804
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		B800 (11.5-12.5')	B801 (25.0-26.0')	B802 (14.5-15.5')	B802 (25.0-26.0')	B803 (21.0-22.0')	B803 (29.0-30.0')	B804 (15.0-16.0')
										4/14/2008	4/8/2008	4/15/2008	4/15/2008	5/7/2008	5/7/2008	4/8/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	11.5-12.5	25.0-26.0'	14.5-15.5	25.0-26.0	21.0-22.0	29.0-30.0	15.0-16.0'
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	0.0031	<0.0008	79.9	0.0438	0.158	0.0014	<0.0007
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	0.0017	<0.0039	31.0	<0.0043	4.56	<0.0038	<0.0036
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.0058	0.0008	57.6	0.0013	0.32	0.002	<0.0036
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	0.0045	<0.0039	112.0	0.0009	3.5	0.0013	<0.0036
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	0.035	<0.004	4.66	<0.004	2.96	<0.004	<0.004
Acenaphthylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	85	0.07	(mg/kg)	0.085	<0.004	18.3	<0.004	3.19	<0.004	<0.004
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	0.006	<0.004	12.3	<0.004	2.54	<0.004	<0.004
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	0.034	<0.004	7.69	<0.004	1.33	0.004	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	0.065	<0.004	7.28	<0.004	1.24	<0.004	<0.004
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	0.078	<0.004	6.01	<0.004	0.915	<0.004	<0.004
Benzo(ghi)perylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	27000	1.70	(mg/kg)	0.051	<0.004	2.73	0.005	0.425	<0.004	<0.004
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	0.027	<0.004	2.08	<0.004	0.275	<0.004	<0.004
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	0.037	<0.004	7.36	<0.004	1.3	<0.004	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	0.015	<0.004	0.982	<0.004	0.119	<0.004	<0.004
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	0.040	<0.004	17.4	0.004	2.74	0.004	<0.004
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	0.005	<0.004	13.8	<0.004	2.61	<0.004	<0.004
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	0.044	<0.004	2.35	<0.004	0.345	<0.004	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	0.009	<0.004	78.3	0.017	13.0	0.010	<0.004
Phenanthrene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	200	2.50	(mg/kg)	0.019	0.004	43.2	0.010	8.16	0.008	<0.004
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	0.056	<0.004	21.5	0.007	4.13	0.005	<0.004

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-805	B-806	B-807	B-809	B-811	B-812	B-813
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		B805 (13.0-14.0') 4/9/2008	B806 (11.0-12.0') 4/8/2008	B807 (13.0-14.0') 4/8/2008	B809 (15.0-16.0') 5/8/2008	B811 (11.0-12.0') 5/5/2008	B812 (11.0-12.0') 5/5/2008	B813 (11.0-12.0') 4/7/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	13.0-14.0'	11.0-12.0'	13.0-14.0'	15.0-16.0	11.0-12.0	11.0-12.0	11.0-12.0
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	0.0025	0.0023	0.003	0.0018	0.0025	0.0023	0.0029
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	0.0017	0.0018	0.0021	<0.0045	0.0014	0.0016	0.0019
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.006	0.0053	0.0071	0.0029	0.0045	0.0046	0.0053
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	0.0039	0.0046	0.0041	<0.0045	0.0032	0.0036	0.0053
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Acenaphthylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	85	0.07	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(ghi)perylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	27000	1.70	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	<0.004	<0.004	<0.004	0.004	<0.004	<0.004	<0.004
Phenanthrene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	200	2.50	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-814	B-815	B-816	B-817	B-818	B-818	B-819
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		B814 (17.0-18.0') 4/1/2008	B815 (25.0-26.0') 4/7/2008	B816 (19.0-21.0') 4/1/2008	B817 (26.0-27.0') 4/7/2008	B818 (13.0-15.0') 4/1/2008	B818 (24.0-26.0') 4/1/2008	B819 (28.0-29.0') 4/7/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	17.0-18.0	25.0-26.0	19.0-21.0	26.0-27.0	13.0-15.0	24.0-26.0	28.0-29.0
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	0.002	0.002	0.0009	0.0555	0.0436	7.05	0.0011
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	<0.0062	<0.0043	<0.0042	0.894	0.205	0.058	<0.0043
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.0025	0.0022	0.0011	0.194	0.042	0.584	0.0011
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	0.0017	0.0043	<0.0042	1.16	0.972	0.140	<0.0043
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<0.004	<0.004	<0.004	<0.004	1.75	0.038	<0.004
Acenaphthylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	85	0.07	(mg/kg)	<0.004	<0.004	<0.004	<0.004	1.06	0.025	<0.004
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	<0.004	<0.004	<0.004	<0.004	1.48	0.037	<0.004
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	<0.004	<0.004	<0.004	<0.004	1.06	0.030	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	<0.004	<0.004	<0.004	<0.004	1.42	0.031	<0.004
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	<0.004	<0.004	<0.004	<0.004	1.1	0.024	<0.004
Benzo(ghi)perylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	27000	1.70	(mg/kg)	0.004	<0.004	<0.004	<0.004	0.739	0.017	<0.004
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.35	0.008	<0.004
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	<0.004	<0.004	<0.004	<0.004	1.12	0.030	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.179	0.004	<0.004
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	<0.004	<0.004	<0.004	<0.004	2.27	0.063	<0.004
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	<0.004	<0.004	<0.004	<0.004	1.36	0.033	<0.004
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.564	0.012	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	<0.004	<0.004	<0.004	0.021	8.10	0.217	<0.004
Phenanthrene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	200	2.50	(mg/kg)	<0.004	0.005	<0.004	0.008	5.23	0.144	<0.004
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	0.004	<0.004	<0.004	<0.004	3.34	0.094	<0.004

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-820	B-821	B-822	B-822	B-823	B-824	B-825
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		B820 (25.0-26.0')	B821 (19.0-20.0')	B822 (13.0-15.0')	B822 (27.0-28.0')	B823 (13.0-15.0')	B824 (23.0-24.0')	B825 (18.0-19.0')
										4/4/2008	4/4/2008	4/1/2008	4/1/2008	4/1/2008	4/4/2008	4/3/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	25.0-26.0	19.0-20.0'	13.0-15.0	27.0-28.0	13.0-15.0	23.0-24.0'	18.0-19.0
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	0.0017	0.0017	0.0038	0.0025	0.0024	0.0013	0.0016
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	<0.0046	<0.0045	0.0026	0.0032	0.0058	<0.0041	<0.0046
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.0017	0.002	0.0032	0.0025	0.0049	0.0017	0.0024
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	<0.0046	0.0016	0.0049	0.002	0.0087	0.0013	<0.0046
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.160	0.015	<0.004
Acenaphthylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	85	0.07	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.471	0.041	<0.004
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.602	0.090	<0.004
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.559	0.081	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.570	0.061	<0.004
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.279	0.048	<0.004
Benzo(ghi)perylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	27000	1.70	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.247	0.025	<0.004
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.297	0.053	<0.004
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.524	0.069	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.064	0.011	<0.004
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.983	0.192	<0.004
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.516	0.077	<0.004
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.193	0.026	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	<0.004	0.004	0.007	<0.004	<0.020	0.187	<0.004
Phenanthrene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	200	2.50	(mg/kg)	0.007	<0.004	<0.004	<0.004	2.48	0.288	<0.004
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	<0.004	<0.004	<0.004	<0.004	1.49	0.142	<0.004

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-826	B-827	B-827	B-827	B-828	B-828
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		B826 (16.0-17.0')	B827 (12.0-13.0')	B827 (12.0-13.0') DUP	B827 (26.0-28.0')	B828 (12.0-13.0')	B828 (17.0-18.0')
										4/3/2008	4/2/2008	4/2/2008	4/2/2008	4/3/2008	4/3/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	16.0-17.0	12.0-13.0	12.0-13.0	26.0-28.0	12.0-13.0	17.0-18.0
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	0.0018	0.0048	0.0042	0.0065	0.0608	0.0015
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	0.0015	0.0073	0.0065	0.0209	0.182	<0.0043
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.004	0.0084	0.0097	0.0082	<0.109	0.0015
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	0.0035	0.0141	0.0144	0.0212	0.284	0.0043
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<0.004	0.184	0.775	0.547	0.043	<0.004
Acenaphthylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	85	0.07	(mg/kg)	<0.004	0.354	2.54	2.21	0.006	<0.004
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	<0.004	0.056	0.681	0.303	<0.004	<0.004
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	0.005	0.131	1.81	0.971	<0.004	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	<0.004	0.074	1.51	0.776	<0.004	<0.004
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	0.004	0.076	1.55	0.509	<0.004	<0.004
Benzo(ghi)perylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	27000	1.70	(mg/kg)	<0.004	0.038	0.598	0.358	<0.004	<0.004
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	<0.004	0.028	0.54	0.519	<0.004	<0.004
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	<0.004	0.131	1.74	0.896	<0.004	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<0.004	0.010	0.187	0.108	<0.005	<0.004
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	0.007	0.402	3.41	1.69	<0.006	<0.004
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	<0.004	0.366	2.55	1.21	0.021	<0.004
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	<0.004	0.031	0.553	0.317	<0.004	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	0.006	0.009	0.051	<0.041	0.766	<0.004
Phenanthrene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	200	2.50	(mg/kg)	0.012	0.023	1.77	1.18	<0.004	0.004
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	0.007	0.553	4.90	2.39	<0.004	<0.004

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-829	B-830	B-831	B-831	B-832	B-833	B-833
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		B829 (21.0-22.0')	B830(28.0-30.0')	B831(10.5-12.0')	B831(18.0-20.0')	B832(20.0-21.0')	B833(10.0-12.0')	B833(10.0-12.0') DUP
										4/2/2008	4/3/2008	4/3/2008	4/3/2008	4/4/2008	4/2/2008	4/2/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	21.0-22.0	28.0-30.0	10.5-12.0	18.0-20.0	20.0-21.0	10.0-12.0	10.0-12.0
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	14.0	<0.0008	6.87	0.0021	0.0016	15.3	50.7
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	<0.0056	<0.0041	17.6	0.0013	<0.0044	6.810	24.0
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.0023	0.009	10.6	0.0025	0.0018	42.90	163.0
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	0.0021	<0.0041	54.2	0.0041	0.0011	68.20	255.0
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<0.004	<0.004	29.7	0.006	<0.004	10.1	12.9
Acenaphthylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	85	0.07	(mg/kg)	<0.004	<0.004	10.0	<0.004	<0.004	41.50	57.6
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	<0.004	<0.004	20.0	0.006	<0.004	35.0	40.3
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	<0.004	<0.004	12.3	0.007	<0.004	20.5	26.5
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	<0.004	<0.004	9.94	0.004	<0.004	14.9	19.6
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	<0.004	<0.004	10.2	0.004	<0.004	15.5	21.4
Benzo(ghi)perylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	27000	1.70	(mg/kg)	<0.004	<0.004	3.61	<0.004	<0.004	4.68	5.74
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	<0.004	<0.004	4.14	<0.004	<0.004	6.04	8.68
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	<0.004	<0.004	11.1	0.005	<0.004	19.30	24.6
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<0.004	<0.004	1.58	<0.004	<0.004	2.20	2.69
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	<0.004	<0.004	33.5	0.012	<0.004	52.7	66.0
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	<0.004	<0.004	27.7	0.006	<0.004	44.9	58.9
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	<0.004	<0.004	3.64	<0.004	<0.004	5.10	6.72
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	<0.004	<0.004	166.0	0.064	<0.004	201.0	325.0
Phenanthrene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	200	2.50	(mg/kg)	<0.004	<0.004	62.7	0.022	0.004	106.0	117.0
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	<0.004	<0.004	29.2	0.012	<0.004	45.0	50.6

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-833	B-833	B-834	B-834	B-834	B-835	B-837
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		B833(25.0-26.0') 4/2/2008	B833(31.0-32.0') 4/2/2008	B834 (11.5-12.5') 4/4/2008	B834 (15.0-16.0') 4/4/2008	B834 (21.0-22.0') 4/4/2008	B835 (28.0-29.0') 4/3/2008	B837 (12.0-13.0') 4/14/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	25.0-26.0	31.0-32.0	11.5-12.5	15.0-16.0	21.0-22.0	29.0-29.0	12.0-13.0
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	3.19	0.006	0.002	2.03	<0.0266	29.6	0.0033
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	7.16	0.0013	0.0025	1.07	<0.133	15.20	0.0018
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	29.4	0.0056	0.0051	4.46	<0.133	59.10	0.006
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	75.1	0.0037	0.0074	7.59	<0.133	78.10	0.0036
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	0.091	0.021	7.62	0.255	<0.004	2.47	<0.004
Acenaphthylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	85	0.07	(mg/kg)	0.669	0.023	4.79	1.64	<0.004	13.0	<0.004
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	0.078	0.043	7.86	0.677	0.003	8.24	<0.004
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	0.013	0.035	6.12	0.480	0.005	6.06	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	0.009	0.027	6.04	0.486	0.003	4.99	<0.004
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	0.01	0.029	4.77	0.381	<0.004	3.41	<0.004
Benzo(ghi)perylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	27000	1.70	(mg/kg)	0.006	0.014	2.67	0.223	<0.004	1.94	<0.004
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	0.004	0.011	1.60	0.132	<0.004	3.92	<0.004
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	0.012	0.034	5.63	0.435	0.004	5.22	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<0.004	0.004	0.709	0.057	<0.004	0.702	<0.004
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	0.038	0.087	12.0	0.943	0.007	15.3	<0.004
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	0.299	0.036	7.07	1.03	<0.004	9.55	<0.004
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	0.004	0.011	2.05	0.166	<0.004	2.09	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	4.64	0.072	10.6	9.56	0.018	56.0	<0.004
Phenanthrene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	200	2.50	(mg/kg)	0.249	0.143	28.6	2.90	0.014	25.2	<0.004
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	0.031	0.083	15.4	1.32	0.01	12.2	<0.004

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-838	B-838	B-839	B-840	B-843	B-844	B-845
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		B838 (15.0-16.0')	B838 (29.0-30.0')	B839 (16.0-17.0')	B840 (18.0-19.0')	B843 (10.0-11.0')	B844 (15.0-16.0')	B845 (13.0-14.0')
										4/4/2008	4/4/2008	4/14/2008	4/15/2008	5/6/2008	5/6/2008	5/6/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	15.0-16.0	29.0-30.0	16.0-17.0	18.0-19.0	10.0-11.0	15.0-16.0	13.0-14.0
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	1.96	0.0015	0.0009	0.0016	0.0026	0.64	0.0023
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	2.83	0.0009	<0.0038	<0.0045	0.0018	3.07	0.0014
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	4.33	0.0021	0.0009	0.0014	0.0059	0.25	0.0047
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	10.80	0.0029	<0.0038	<0.0045	0.0044	4.2	0.0035
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	36.8	0.052	<0.004	0.013	0.004	2.49	<0.004
Acenaphthylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	85	0.07	(mg/kg)	12.7	0.021	<0.004	0.03	<0.004	0.684	<0.004
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	27.6	0.045	<0.004	0.029	0.004	1.81	<0.004
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	17.1	0.034	<0.004	0.031	0.011	0.893	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	14.1	0.027	<0.004	0.03	0.008	0.847	<0.004
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	14.0	0.028	<0.004	0.032	0.011	0.662	<0.004
Benzo(ghi)perylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	27000	1.70	(mg/kg)	5.31	0.012	0.005	0.017	0.005	0.325	<0.004
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	5.34	0.01	<0.004	0.011	0.004	0.195	<0.004
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	15.3	0.03	<0.004	0.033	0.008	0.913	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	1.79	0.004	<0.004	0.006	<0.004	0.089	<0.004
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	41.2	0.078	<0.004	0.06	0.021	1.88	<0.004
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	31.3	0.049	<0.004	0.028	<0.004	1.70	<0.004
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	5.10	0.011	<0.004	0.012	0.004	0.266	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	316.0	0.388	0.008	0.112	0.004	12.70	<0.004
Phenanthrene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	200	2.50	(mg/kg)	79.9	0.149	<0.004	0.117	0.02	6.07	<0.004
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	38.8	0.073	0.004	0.068	0.016	2.71	0.004

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-846	B-846	B-847	B-847	B-848	B-849	B-850
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		B846 (10.0-11.0')	B846 (20.0-21.0')	B847 (22.0-23.0')	B847 (29.0-30.0')	B848 (13.0-14.0')	B849(16.0-17.0')	B850 (16.0-17.0')
										5/7/2008	5/7/2008	5/7/2008	5/7/2008	5/7/2008	5/7/2008	5/8/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	10.0-11.0	20.0-21.0	22.0-23.0	29.0-30.0	13.0-14.0	16.0-17.0	16.0-17.0
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	0.205	3.16	1.44	0.0012	0.003	1.2	10.7
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	3.42	<0.0983	62.8	<0.0038	0.0019	6.24	227.0
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.084	<0.0983	12.4	0.0018	0.006	0.89	21.5
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	2.9	<0.0983	75.6	<0.0038	0.0038	5.64	258.0
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	4.19	0.004	0.95	<0.004	<0.004	0.665	65.1
Acenaphthylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	85	0.07	(mg/kg)	0.808	<0.004	4.73	<0.004	<0.004	1.55	229.0
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	2.10	<0.004	2.36	<0.004	<0.004	1.12	121.0
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	1.30	<0.004	1.29	<0.004	<0.004	0.67	70.0
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	1.28	<0.004	1.15	<0.004	<0.004	0.661	69.3
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	0.979	<0.004	0.905	<0.004	<0.004	0.52	54.5
Benzo(ghi)perylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	27000	1.70	(mg/kg)	0.471	<0.004	0.356	<0.004	<0.004	0.227	21.8
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	0.29	<0.004	0.258	<0.004	<0.004	0.161	17.7
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	1.32	<0.004	1.27	<0.004	<0.004	0.661	69.8
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	0.133	<0.004	<0.190	<0.004	<0.004	0.065	6.50
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	2.47	<0.004	2.53	<0.004	<0.004	1.21	154.0
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	1.91	<0.004	2.5	<0.004	<0.004	1.07	132.0
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	0.381	<0.004	0.3	<0.004	<0.004	0.187	19.1
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	12.4	0.013	13.8	0.012	<0.004	5.37	920.0
Phenanthrene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	200	2.50	(mg/kg)	6.29	0.009	8.04	0.006	<0.004	3.54	449.0
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	3.94	0.005	3.79	<0.004	<0.004	1.84	212.0

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-850	B-851	B-852	B-853	B-854	B-855	B-501
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		B850 (25.0-26.0')	B851 (19.0-20.0')	B852 (23.0-24.0')	B852 (29.0-30.0 ft)	B852 (38.0-39.0 ft)	B852 (33.0-34.0 ft)	B-501-15
										5/8/2008	5/9/2008	5/9/2008	6/23/2008	6/24/2008	6/26/2008	7/13/2004
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	25.0-26.0	19.0-20.0	23.0-24.0	29.0-30.0	38.0-39.0	33.0-34.0	14'-15'
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	0.0017	0.0014	0.0016	0.0014	0.0014	0.0012	16.40
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	0.0010	<0.0038	<0.0044	0.0010	<0.0048	<0.0037	2.42
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.0025	0.0021	0.0025	0.0020	0.0023	0.0015	6.90
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	0.0031	0.0026	0.0018	0.0041	0.0018	0.0014	16.90
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	39.0
Acenaphthylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	85	0.07	(mg/kg)	0.006	<0.004	<0.004	<0.004	<0.004	<0.004	58.0
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	0.005	<0.004	<0.004	<0.004	<0.004	<0.004	130.0
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	0.006	<0.004	<0.004	0.005	<0.004	0.005	67.0
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	0.004	<0.004	<0.004	<0.004	<0.004	<0.004	68.0
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	0.003	<0.004	<0.004	<0.004	<0.004	<0.004	72.0
Benzo(ghi)perylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	27000	1.70	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	0.004	22.0
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	21.0
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	0.004	<0.004	<0.004	0.004	<0.004	0.004	64.0
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	7.30
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	0.007	<0.004	<0.004	0.004	<0.004	<0.004	160.0
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	0.004	<0.004	<0.004	<0.004	<0.004	<0.004	120.0
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	24.0
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	0.013	<0.004	<0.004	<0.004	<0.004	<0.004	920.0
Phenanthrene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	200	2.50	(mg/kg)	0.018	<0.004	<0.004	0.004	<0.004	0.004	350.0
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	0.011	<0.004	<0.004	0.004	<0.004	0.004	160.0

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-501	B-502	B-502	B-503	B-503	B-504	B-504	B-504
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		B-501-24	B-502-12	B-502-24	B-503-11	B-503-19	B-504-14	B-504-21	B-504-28
										7/13/2004	7/13/2004	7/21/2004	7/13/2004	7/13/2004	7/13/2004	7/14/2004	7/14/2004
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	23'-24'	11'-12'	23'-24'	10'-11'	18'-19'	13'-14'	20'-21'	27'-28'
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	0.0016	30.30	0.423	0.223	3.0	15.10	33.10	0.0091
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	<0.0007	25.30	<0.0192	0.372	<0.106	28.50	1.10	0.002
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.0016	108.0	<0.0192	0.12	0.835	8.24	8.76	0.0037
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	0.002	226.0	<0.0192	0.458	<0.106	24.0	3.46	0.0034
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<0.130	36.0	<0.011	<0.042	5.40	49.0	22.0	0.013
Acenaphthylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	85	0.07	(mg/kg)	<0.140	50.0	<0.011	<0.042	47.0	20.0	150.0	0.014
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	<0.120	64.0	<0.011	<0.042	12.0	34.0	110.0	0.022
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	<0.100	54.0	<0.011	<0.042	31.0	17.0	59.0	0.019
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	<0.096	48.0	<0.011	<0.042	82.0	16.0	66.0	0.019
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	<0.099	56.0	<0.011	<0.042	88.0	12.0	50.0	0.015
Benzo(ghi)perylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	27000	1.70	(mg/kg)	<0.120	13.0	<0.011	<0.042	23.0	4.90	15.0	<0.011
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	<0.100	17.0	<0.011	<0.042	25.0	4.0	16.0	<0.011
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	<0.110	56.0	<0.011	<0.042	34.0	16.0	62.0	0.021
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<0.110	5.50	<0.011	<0.042	5.80	1.40	4.60	<0.011
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	<0.100	140.0	<0.011	<0.042	37.0	36.0	120.0	0.033
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	<0.120	120.0	<0.011	<0.042	13.0	48.0	120.0	0.022
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	<0.120	17.0	<0.011	<0.042	21.0	4.70	15.0	<0.011
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	<0.150	680.0	0.026	<0.042	7.70	230.0	330.0	0.16
Phenanthrene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	200	2.50	(mg/kg)	<0.110	270.0	<0.011	<0.042	18.0	120.0	320.0	0.072
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	<0.110	110.0	<0.011	<0.042	60.0	54.0	190.0	0.051

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-505	B-505	B-505	B-506	B-506	B-507	B-507	B-508
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		B-505-11	B-505-22	B-505-28	B-506-17	B-506-28	B-507-19	B-507-28	B-508-11
										7/14/2004	7/14/2004	7/14/2004	7/22/2004	7/22/2004	7/21/2004	7/21/2004	7/19/2004
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	10'-11'	21'-22'	27'-28'	16'-17'	27'-28'	18'-19'	27'-28'	10'-11'
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	5.04	0.0016	0.003	444.0	0.0023	659.0	0.0061	2.58
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	17.70	0.0015	0.0023	122.0	0.0013	141.0	0.0034	37.1
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.72	0.0043	0.0025	676.0	0.0036	1540.0	0.0143	0.22
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	11.20	0.0042	0.004	549.0	0.004	1300.0	0.0091	19
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	13.0	<0.011	0.02	55.0	<0.130	120.0		48
Acenaphthylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	85	0.07	(mg/kg)	14.0	0.012	0.03	390.0	<0.140	700.0		8.1
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	11.0	<0.011	0.037	160.0	<0.120	410.0		24
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	7.50	<0.011	0.029	79.0	<0.100	260.0		13
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	7.0	<0.011	0.025	92.0	<0.096	240.0		13
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	5.40	<0.011	0.02	73.0	<0.098	170.0		11
Benzo(ghi)perylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	27000	1.70	(mg/kg)	<3.50	<0.011	<0.011	18.0	<0.120	80.0		4.9
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	<3.0	<0.011	<0.011	22.0	<0.100	70.0		3.3
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	6.70	<0.011	0.026	72.0	<0.110	240.0		12
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<3.10	<0.011	<0.011	5.60	<0.110	<15.0		<2.500
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	12.0	<0.011	0.051	170.0	<0.100	480.0		27
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	15.0	<0.011	0.044	200.0	<0.120	550.0		35
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	<3.40	<0.011	<0.011	17.0	<0.120	64.0		4.3
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	110.0	0.16	0.18	2200.0	<0.150	4600.0		190
Phenanthrene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	200	2.50	(mg/kg)	39.0	0.02	0.13	610.0	<0.110	940.0		78
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	20.0	0.011	0.078	240.0	<0.110	710		39

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-508	B-509	B-509	B-510	B-510	B-512	B-512	B-513	B-513	B-514
		Soil Ingestion			*Soil Inhalation*		Soil Component			B-508-28	B-509-18	B-509-28	B-510-12	B-510-28	B-512-11	B-512-24	B-513-12	B-513-24	B-514-17
							to Groundwater	PAH Background		7/19/2004	7/21/2004	7/21/2004	7/12/2004	7/12/2004	7/12/2004	7/12/2004	7/12/2004	7/12/2004	7/22/2004
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	27'-28'	17'-18'	27'-28'	11'-12'	27'-28'	10'-11'	23'-24'	11'-12'	23'-24'	16'-17'
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	0.0014	6.25	0.0007	0.0013	0.001	0.0009	0.0012	0.0018	0.001	333.00
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	0.001	11.40	<0.0008	<0.0008	<0.0008	<0.0009	<0.0008	0.0015	<0.0008	797.0
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.0017	0.55	0.002	0.0018	0.0012	0.0011	0.0012	0.0037	0.001	266.0
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	0.0017	6.63	0.0027	0.001	0.0014	0.0018	0.0012	0.0035	0.001	721.0
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<0.011	0.086	0.022	<0.010	<0.010	0.18	<0.010	<0.130	<0.031	1500.0
Acenaphthylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	85	0.07	(mg/kg)	<0.011	0.260	0.110	<0.010	0.010	<0.058	<0.010	<0.140	<0.031	400.0
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	<0.011	0.091	0.098	<0.010	<0.010	0.083	<0.010	<0.120	<0.031	600.0
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	<0.011	0.066	0.072	<0.010	<0.010	<0.058	<0.010	<0.110	<0.031	250.0
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	<0.011	0.074	0.079	<0.010	<0.010	<0.058	<0.010	<0.097	<0.031	290.0
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	<0.011	0.053	0.058	<0.010	<0.010	<0.058	<0.010	<0.099	<0.031	200.0
Benzo(ghi)perylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	27000	1.70	(mg/kg)	<0.011	0.036	0.039	<0.010	<0.010	<0.058	<0.010	<0.120	<0.031	100.0
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	<0.011	0.016	0.017	<0.010	<0.010	<0.058	<0.010	<0.100	<0.031	59.0
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	<0.011	0.066	0.072	<0.010	<0.010	<0.058	<0.010	<0.110	<0.031	260.0
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<0.011	<0.011	<0.011	<0.010	<0.010	<0.058	<0.010	<0.110	<0.031	26.0
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	<0.011	0.120	0.14	<0.010	<0.010	0.066	<0.010	<0.110	<0.031	660.0
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	<0.011	0.110	0.09	<0.010	<0.010	0.164	<0.010	<0.130	<0.031	840.0
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	<0.011	0.027	0.028	<0.010	<0.010	<0.058	<0.010	<0.120	<0.031	84.0
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	0.03	7.90	0.47	<0.010	<0.010	0.104	<0.010	<0.150	<0.031	7700.0
Phenanthrene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	200	2.50	(mg/kg)	0.019	0.30	0.31	<0.010	<0.010	0.317	<0.010	<0.110	<0.031	2400.0
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	<0.011	0.19	0.22	<0.010	<0.010	0.087	<0.010	<0.110	<0.031	1000.0

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-514	B-515	B-515	B-516	B-516	B-550	B-550	B-550	B-551
		Soil Ingestion			*Soil Inhalation*		Soil Component			B-514-28	B-515-19	B-515-32	B-516-14	B-516-24	B-550-11	B-550-16	B-550-28	B-551-16
							to Groundwater	PAH Background		7/22/2004	7/16/2004	7/16/2004	7/22/2004	7/22/2004	7/20/2004	7/20/2004	7/20/2004	7/15/2004
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	27'-28'	18'-19'	31'-32'	13'-14'	23'-24'	10'-11'	15'-16'	27'-28'	15'-16'
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	0.0008	29.30	0.0020	5.45	0.0007	1.24	5.810	0.0011	0.0148
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	0.0009	5.73	0.0014	11.40	<0.0008	4.02	1.440	<0.0008	0.042
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.0014	35.10	0.0022	1.18	0.0011	0.15	0.798	0.0018	0.0736
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	0.0018	27.60	0.0024	25.30	0.0015	1.93	1.430	0.0014	0.128
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	<0.011	3.0	<0.120	1.90	<0.011	36.0	0.050	<0.011	0.013
Acenaphthylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	85	0.07	(mg/kg)	<0.011	26.0	<0.140	2.80	<0.011	4.70	0.020	<0.011	0.08
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	<0.011	11.0	<0.120	6.0	<0.011	18.0	0.054	<0.011	0.021
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	<0.011	5.80	<0.100	3.0	<0.011	6.70	0.04	<0.011	0.027
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	<0.011	6.50	<0.093	3.60	<0.011	7.50	0.034	<0.011	0.023
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	<0.011	4.50	<0.095	2.50	<0.011	4.90	0.032	<0.011	0.020
Benzo(ghi)perylene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	27000	1.70	(mg/kg)	<0.011	2.10	<0.120	1.20	<0.011	2.0	0.011	<0.011	<0.011
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	<0.011	1.60	<0.100	0.85	<0.011	1.40	<0.011	<0.011	<0.011
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	<0.011	5.90	<0.110	2.80	<0.011	6.50	0.04	<0.011	0.026
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<0.011	0.57	<0.100	0.40	<0.011	0.61	<0.011	<0.011	<0.011
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	<0.011	13.0	<0.100	7.30	<0.011	16.0	0.077	<0.011	0.04
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	<0.011	16.0	<0.120	6.80	<0.011	24.0	0.050	<0.011	0.019
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	<0.011	1.90	<0.110	1.10	<0.011	1.80	<0.011	<0.011	<0.011
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	0.085	86.0	<0.150	130.0	0.057	35.0	0.260	0.061	1.50
Phenanthrene	2300[1]	61000 [1]	61000 [1]	-----	-----	-----	200	2.50	(mg/kg)	<0.011	38.0	<0.100	18.0	0.018	49.0	0.170	0.021	0.066
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	<0.011	20.0	<0.100	9.50	0.012	20.0	0.10	<0.011	0.058

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-551	B-553	B-553	B-553	B-554	B-554	B-556	B-556
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		B-551-28	B-553-15	B-553-24	B-553-32	B-554-18	B-554-32	B-556-20	B-556-28
										7/15/2004	7/14/2004	7/14/2004	7/14/2004	7/15/2004	7/15/2004	7/20/2004	7/20/2004
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	27'-28'	14'-15'	23'-24'	31'-32'	17'-18'	31'-32'	19'-20'	27'-28'
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	0.0026	3.03	97.30	0.0035	5.62	0.0037	3.35	0.0021
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	0.0033	10.10	32.90	0.0015	9.02	0.0048	4.51	0.0023
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.0034	16.10	164.0	0.0045	7.78	0.0095	10.40	0.005
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	0.0056	37.30	155.0	0.0036	13.0	0.0178	13.90	0.0046
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	0.038	16.0	100.0	<0.130	99.0	<0.011	12.0	<0.120
Acenaphthylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	85	0.07	(mg/kg)	<0.011	36.0	660.0	<0.140	230.0	<0.011	52.0	<0.140
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	0.037	78.0	370.0	<0.120	170.0	<0.011	28.0	<0.120
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	0.032	51.0	190.0	<0.100	78.0	<0.011	13.0	<0.100
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	0.029	53.0	190.0	<0.095	86.0	<0.011	17.0	<0.093
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	0.027	56.0	150.0	<0.097	74.0	<0.011	11.0	<0.096
Benzo(ghi)perylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	27000	1.70	(mg/kg)	0.013	12.0	58.0	<0.120	13.0	<0.011	3.00	<0.120
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	<0.011	20.0	49.0	<0.100	26.0	<0.011	3.30	<0.100
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	0.031	47.0	200.0	<0.110	79.0	<0.011	14.0	<0.110
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<0.011	4.0	17.0	<0.100	<5.10	<0.011	0.96	<0.100
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	0.058	130.0	420.0	<0.100	170.0	<0.011	30.0	<0.100
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	0.036	65.0	560.0	<0.120	240.0	<0.011	31.0	<0.120
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	<0.011	14.0	52.0	<0.110	14.0	<0.011	2.80	<0.110
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	0.082	520.0	2600.0	<0.150	1100.0	0.057	240.0	<0.150
Phenanthrene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	200	2.50	(mg/kg)	0.12	220.0	980.0	<0.110	590.0	0.025	90.0	<0.100
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	0.076	140.0	590.0	<0.110	240.0	0.011	47.0	<0.100

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-557	B-557	B-558	B-558	B-558	B-559	B-559	B-560
		Soil Ingestion			*Soil Inhalation*		Soil Component to Groundwater	PAH Background		B-557-12	B-557-24	B-558-12	B-558-18	B-558-28	B-559-19	B-559-28	B-560-13
										7/20/2004	7/20/2004	7/19/2004	7/19/2004	7/19/2004	7/19/2004	7/19/2004	7/16/2004
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	UNITS	11'-12'	23'-24'	11'-12'	17'-18'	27'-28'	18'-19'	27'-28'	12'-13'
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	0.0308	0.0009	0.0095	0.0905	0.0016	0.0014	0.0009	0.0868
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	1.030	<0.0009	0.005	0.0209	0.001	0.0008	<0.0007	18.60
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.0099	0.0011	0.0025	0.0713	0.0022	0.0021	0.0013	0.15
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	0.532	0.0012	0.0521	0.0821	0.0028	0.0022	0.0013	19.10
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	6.20	0.023	0.820	0.042	0.012	<0.011	0.025	72.0
Acenaphthylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	85	0.07	(mg/kg)	1.50	<0.011	0.320	0.4	<0.010	<0.011	0.029	6.30
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	4.20	0.023	0.190	0.019	<0.010	<0.011	<0.011	37.0
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	2.30	0.017	0.140	0.017	<0.010	<0.011	<0.011	17.0
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	1.90	0.014	0.130	0.015	<0.010	<0.011	<0.011	22.0
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	1.60	0.012	0.10	<0.011	<0.010	<0.011	<0.011	16.0
Benzo(ghi)perylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	27000	1.70	(mg/kg)	0.50	<0.011	0.047	<0.011	<0.010	<0.011	<0.011	4.80
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	0.45	<0.011	0.032	<0.011	<0.010	<0.011	<0.011	5.10
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	2.10	0.016	0.140	0.017	<0.010	<0.011	<0.011	18.0
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<0.240	<0.011	0.015	<0.011	<0.010	<0.011	<0.011	1.30
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	4.20	0.027	0.430	0.029	0.015	<0.011	<0.011	41.0
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	5.30	0.020	0.320	0.062	<0.010	<0.011	<0.011	44.0
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	0.41	<0.011	0.039	<0.011	<0.010	<0.011	<0.011	4.40
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	0.45	0.053	0.028	2.5	0.031	0.013	0.016	290.0
Phenanthrene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	200	2.50	(mg/kg)	12.0	0.070	2.10	0.069	0.033	<0.011	<0.011	120.0
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	6.40	0.040	0.630	0.044	0.022	<0.011	<0.011	63.0

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

TABLE 5-5
BTEX and PAHs - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil									B-560	B-560	B-561	B-561	B-561	B-562	B-562
		Soil Ingestion			*Soil Inhalation*		Soil Component			B-560-20	B-560-28	B-561-13	B-561-19	B-561-32	B-562-14	B-562-28
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	7/16/2004 19'-20'	7/16/2004 27'-28'	7/15/2004 12'-13'	7/15/2004 18'-19'	7/15/2004 31'-32'	7/15/2004 13'-14'	7/15/2004 27'-28'
Benzene	12	100	2,300	0.80	1.60	2.20	0.03	---	(mg/kg)	0.0104	0.0023	0.204	0.0033	0.0015	6.26	0.002
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	0.0021	0.0022	1.60	0.0039	<0.0008	58.50	0.0011
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.0061	0.0028	<0.0866	0.0028	0.0017	0.499	0.0041
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	0.0045	0.0039	2.06	0.0056	0.0017	54.30	0.0036
Acenaphthene	4700	120000	120000	-----	-----	-----	570	0.13	(mg/kg)	0.014	0.065	27.0	0.020	<0.011	93.0	0.014
Acenaphthylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	85	0.07	(mg/kg)	<0.011	0.011	3.30	<0.011	<0.011	12.0	<0.011
Anthracene	23000	610000	610000	-----	-----	-----	12000	0.40	(mg/kg)	0.014	0.065	11.0	0.016	<0.011	52.0	<0.011
Benzo(a)anthracene	0.9	8.0	170	-----	-----	-----	2.0	1.80	(mg/kg)	0.019	0.068	5.30	0.012	<0.011	26.0	<0.011
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	8.0	2.10	(mg/kg)	0.018	0.055	5.50	<0.011	<0.011	22.0	<0.011
Benzo(b)fluoranthene	0.90	8.0	170	-----	-----	-----	5.0	2.10	(mg/kg)	0.015	0.051	3.90	<0.011	<0.011	18.0	<0.011
Benzo(ghi)perylene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	27000	1.70	(mg/kg)	<0.011	0.024	1.50	<0.011	<0.011	6.20	<0.011
Benzo(k)fluoranthene	9.0	78	1700	-----	-----	-----	49.0	1.70	(mg/kg)	<0.011	0.012	1.20	<0.011	<0.011	6.0	<0.011
Chrysene	88	780	17000	-----	-----	-----	160	2.70	(mg/kg)	0.019	0.048	5.90	0.013	<0.011	26.0	<0.011
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	2.0	0.42	(mg/kg)	<0.011	<0.011	0.430	<0.011	<0.011	<3.0	<0.011
Fluoranthene	3100	82000	82000	-----	-----	-----	4300	4.10	(mg/kg)	0.029	0.091	9.40	0.020	<0.011	54.0	0.012
Fluorene	3100	82000	82000	-----	-----	-----	560	0.18	(mg/kg)	<0.011	0.059	15.0	0.018	<0.011	66.0	<0.011
Indeno(1,2,3-cd)pyrene	0.90	8.0	170	-----	-----	-----	14.0	1.60	(mg/kg)	<0.011	0.016	1.30	<0.011	<0.011	5.20	<0.011
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	0.057	0.20	29.0	0.110	<0.011	320.0	0.041
Phenanthrene	2300[(1)]	61000 [(1)]	61000 [(1)]	-----	-----	-----	200	2.50	(mg/kg)	0.05	0.20	37.0	0.051	<0.011	170.0	0.037
Pyrene	2300	61000	61000	-----	-----	-----	4200	3.0	(mg/kg)	0.044	0.14	14.0	0.029	<0.011	78.0	0.019

[(1)] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
<0.004 Laboratory method detection limit exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.04 Not detected at the detection limit identified.

Table 5-6
Metals and Cyanide - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil								Sample Location:	B-802	B-803	B-805	B-806	B-807	B-809	B-811
							Soil Component		Sample ID:	B802 (14.5-15.5)	B803 (21.0-22.0)	B805 (13.0-14.0)	B806 (11.0-12.0)	B807 (13.0-14.0)	B809 (15.0-16.0)	B811 (11.0-12.0)
	Soil Ingestion			*Soil Inhalation*			to Groundwater		Sample Date:	4/15/2008	5/7/2008	4/9/2008	4/8/2008	4/8/2008	5/8/2008	5/5/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I) mg/L	UNITS	Sample Depth (feet):	14.5-15.5	21.0-22.0	13.0-14.0	11.0-12.0	13.0-14.0	15.0-16.0	11.0-12.0
Arsenic	13.0	13.0	61	750	1200	25000	31	mg/kg		5.84	5.41	8.25	6.78	6.87	4.69	6.43
Chromium	230	6,100	4100	270	420	690	28	mg/kg		17.9	14.2	16.2	16.6	16.3	15.3	14.4
Lead	400	800	700	---	---	---	107	mg/kg		15.8	8.65	11.6	11.0	12.1	8.68	10.1
Cyanide (amenable)	1600	41000	4100	---	---	---	40	mg/kg		<0.53	<0.57	<0.57	<0.57	<0.57	<0.55	<0.57
Cyanide (total)	---	---	---	---	---	---	---	mg/kg		0.33	<0.57	<0.57	<0.57	<0.57	<0.55	<0.57

--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

Table 5-6
Metals and Cyanide - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil								Sample Location:	B-815	B-817	B-818	B-819	B-822	B-824	B-825
							Soil Component		Sample ID:	B815 (25.0-26.0)	B817 (26.0-27.0)	B818 (13.0-15.0')	B819 (28.0-29.0)	B822 (13.0-15.0)	B824 (23.0-24.0)	B825 (25.0-26.0)
	Soil Ingestion			*Soil Inhalation*			to Groundwater		Sample Date:	4/7/2008	4/7/2008	4/1/2008	4/7/2008	4/1/2008	4/4/2008	4/3/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I) mg/L	UNITS	Sample Depth (feet):	25.0-26.0	26.0-27.0	13.0-15.0'	28.0-29.0	13.0-15.0	23.0-24.0	25.0-26.0
Arsenic	13.0	13.0	61	750	1200	25000	31	mg/kg		6.35	6.65	9.97	6.56	9.99	8.18	7.68
Chromium	230	6,100	4100	270	420	690	28	mg/kg		15.9	13.3	17.3	16.70	18.5	15.5	15.8
Lead	400	800	700	---	---	---	107	mg/kg		11.3	12.1	16.2	11.10	12.8	10.5	10.1
Cyanide (amenable)	1600	41000	4100	---	---	---	40	mg/kg		<0.56	<0.55	<0.58	<0.56	<0.52	<0.55	<0.55
Cyanide (total)	---	---	---	---	---	---	---	mg/kg		<0.56	<0.54	2.02	<0.56	0.25	<0.55	<0.55

--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

Table 5-6
Metals and Cyanide - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

	Tier 1 Remediation Objectives - Soil								Sample Location:	B-830	B-831	B-835	B-849	B-850
							Soil Component		Sample ID:	B830 (28.0-30.0)	B831 (9.0-10.0)	B835 (28.0-29.0)	B849 (16.0-17.0)	B850 (16.0-17.0)
	Soil Ingestion			*Soil Inhalation*			to Groundwater		Sample Date:	4/3/2008	4/4/2008	4/3/2008	5/7/2008	5/8/2008
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I) mg/L	UNITS	Sample Depth (feet):	28.0-33.0	9.0-10.0	28.0-29.0	16.0-17.0	16.0-17.0
Arsenic	13.0	13.0	61	750	1200	25000	31	mg/kg		8.52	8.22	7.78	5.58	6.08
Chromium	230	6,100	4100	270	420	690	28	mg/kg		12.4	10.60	12.7	12.0	12.4
Lead	400	800	700	---	---	---	107	mg/kg		9.39	11.0	9.62	6.88	6.67
Cyanide (amenable)	1600	41000	4100	---	---	---	40	mg/kg		<0.55	<0.57	<0.55	<0.54	<0.55
Cyanide (total)	---	---	---	---	---	---	---	mg/kg		0.43	0.65	0.59	<0.54	<0.55

--- No ROs have been established.
Constituent exceeds one or more Tier 1 RO.
mg/kg Milligrams per kilogram
<0.004 Not detected at the detection limit identified.

Table 5-7
Foc and pH Results - 0 to 3 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

CONSTITUENT	UNITS/DEPTH	Tier 1 Remediation Objectives	B-800 B800 (2.0-3.0) 4/14/2008 2.0-3.0	B-801 B01 (2.0-3.0') 4/7/2008 2.0-3.0'	B-809 B09 (2.0-3.0') 5/8/2008 2.0-3.0'	B-814 B814 (0.0-2.0') 4/1/2008 0.0-2.0'	B-817 B817 (2.0-3.0') 4/7/2008 2.0-3.0'	B-845 B845 (0.0-2.0) 5/6/2008 0.0-2.0	B-845 B845 (2.0-4.0) 5/6/2008 2.0-4.0
FOC	wt%		3.55			**4.55**	**2.32**	**1.77**	**0.85**
organic matter	wt%		6.13			**7.84**	**4.00**	**3.04**	**1.47**
pH (1:1)			7.79	7.71	7.25		7.44		

Table 5-8
FOC and pH - 3- to 10- Feet
Former MGP Site
Champaign, Illinois
AmerenIP

CONSTITUENT	UNITS/DEPTH	Tier 1 Remediation Objectives	B-800 B800 (9.0-10.0) 4/14/2008 9.0-10.0	B-801 B801 (9.0-10.0') 4/8/2008 9.0-10.0'	B-806 B806 (8.5-9.5') 4/8/2008 8.5-9.5'	B-809 B809 (9.0-10.0') 5/8/2008 9.0-10.0'	B-814 B814 (7.0-8.0') 4/1/2008 7.0-8.0'	B-817 B817 (8.0-9.0') 4/7/2008 8.0-9.0'	B-826 B826 (8.0-9.0') 4/3/2008 8.0-9.0'	B-832 B832 (7.0-8.0') 4/4/2008 7.0-8.0'	B-845 B845 (2.0-4.0) 5/6/2008 2.0-4.0	B-852 B852 (9.0-10.0') 5/9/2008 9.0-10.0
FOC	wt%		0.51		**0.36**		**0.5**	**0.56**			0.85	
organic matter	wt%		0.87		**0.63**		**0.86**	**0.97**			1.47	
pH (1:1)			7.86	8.22		7.22		7.86	8.07	7.8		8.15

Table 5-9
FOC and pH - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP

Tier 1 Remediation Objectives								
CONSTITUENT		**B-800** **B800 (11.5-12.5)** **4/14/2008**	**B-801** **B801 (25.0-26.0')** **4/8/2008**	**B-806** **B806 (11.0-12.0')** **4/8/2008**	**B-807** **B807 (13.0-14.0')** **4/8/2008**	**B-817** **B817 (26.0-27.0')** **4/7/2008**	**B-826** **B826 (16.0-17.0')** **4/3/2008**	**B-851** **B851 (14.0-16.0)** **5/9/2008**
	UNITS/DEPTH	**11.5-12.5**	**25.0-26.0'**	**11.0-12.0'**	**13.0-14.0'**	**26.0-27.0'**	**16.0-17.0'**	**14.0-16.0**
FOC	wt%	0.47		**0.39**				1.4
organic matter	wt%	0.8		**0.67**				2.41
pH (1:1)		8.14	8.09		8.13	8.08	8.21	

Table 5-9
FOC and pH - Greater than 10 Feet
Former MGP Site
Champaign, Illinois
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Tier 1 Remediation Objectives

CONSTITUENT	UNITS/DEPTH	B-851 B851 (19.0-20.0) 5/9/2008 19.0-20.0
FOC	wt%	1.04
organic matter	wt%	1.79
pH (1:1)		

TABLE 5-10
GROUNDWATER RESULTS BTEX, PAHs - 2004 Data
COMPARISON TO CLASS 1 GROUNDWATER STANDARDS
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

CONSTITUENT	UNITS	CLASS I GROUNDWATER STANDARD	UMW-102 7/26/2004	UMW-102 3/15/2005	UMW-102 6/9/2005	UMW-102 9/27/2005	UMW-102 12/27/2005	UMW-102 6/22/2006	UMW-102 9/19/2006	UMW-102 12/13/2006	UMW-102 9/21/2007	UMW-104 7/26/2004	UMW-105 7/26/2004	UMW-105 3/15/2005	UMW-106 7/26/2004	UMW-107 7/26/2004	UMW-107 3/15/2005
Benzene	(ug/l)	5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	760	589
Ethylbenzene	(ug/l)	1000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	36
Toluene	(ug/l)	700	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	4
Xylene (total)	(ug/l)	10000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	1.4	1.4	<5.0	<5.0	<5.0	<5.0	77	64.1
Acenaphthene	(ug/l)	420	<3.00	---	---	---	---	---	---	---	---	<3.00	<3.00	---	<3.00	<3.00	<3.00
Acenaphthylene	(ug/l)	210	<1.50	---	---	---	---	---	---	---	---	<1.50	<1.50	---	<1.50	<1.50	<7.5
Anthracene	(ug/l)	2100	<0.30	---	---	---	---	---	---	---	---	<0.30	<0.30	---	<0.30	<0.30	<0.30
Benzo(a)anthracene	(ug/l)	1.3	<0.09	---	---	---	---	---	---	---	---	<0.09	<0.09	---	<0.09	<0.09	<0.09
Benzo(a)pyrene	(ug/l)	0.2	<0.12	---	---	---	---	---	---	---	---	<0.12	<0.12	---	<0.12	<0.12	<0.12
Benzo(b)fluoranthene	(ug/l)	0.18	<0.15	---	---	---	---	---	---	---	---	<0.15	<0.15	---	<0.15	<0.15	<0.15
Benzo(ghi)perylene	(ug/l)	---	<0.30	---	---	---	---	---	---	---	---	<0.30	<0.30	---	<0.30	<0.30	<0.30
Benzo(k)fluoranthene	(ug/l)	0.17	<0.15	---	---	---	---	---	---	---	---	<0.15	<0.15	---	<0.15	<0.15	<0.15
Chrysene	(ug/l)	1.5	<0.45	---	---	---	---	---	---	---	---	<0.45	<0.45	---	<0.45	<0.45	<0.45
Dibenzo(a,h)anthracene	(ug/l)	0.3	<0.18	---	---	---	---	---	---	---	---	<0.18	<0.18	---	<0.18	<0.18	<0.18
Fluoranthene	(ug/l)	280	<0.90	---	---	---	---	---	---	---	---	<0.90	<0.90	---	<0.90	<0.90	<0.90
Fluorene	(ug/l)	280	<0.30	---	---	---	---	---	---	---	---	<0.30	<0.30	---	<0.30	<0.30	<0.30
Indeno(1,2,3-cd)pyrene	(ug/l)	0.43	<0.30	---	---	---	---	---	---	---	---	<0.30	<0.30	---	<0.30	<0.30	<0.30
Naphthalene	(ug/l)	140	<3.00	---	---	---	---	---	---	---	---	<3.00	<3.00	---	<3.00	87.7	53.2
Phenanthrene	(ug/l)	210	<0.60	---	---	---	---	---	---	---	---	<0.60	<0.60	---	<0.60	<0.60	<0.60
Pyrene	(ug/l)	210	<0.30	---	---	---	---	---	---	---	---	<0.30	<0.30	---	<0.30	<0.30	<0.30

Notes:
ug/l - micrograms per liter
<2.0 - not detected at the detection limit noted
Exceeds the Class 1 Groundwater Standard

TABLE 5-10
GROUNDWATER RESULTS BTEX, PAHs - 2004 Data
COMPARISON TO CLASS 1 GROUNDWATER STANDARDS
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

CONSTITUENT	UNITS	CLASS I GROUNDWATER STANDARD	UMW-107 6/9/2005	UMW-107 9/27/2005	UMW-107 12/27/2005	UMW-107 6/22/2006	UMW-107 9/19/2006	UMW-107 12/13/2006	UMW-107 6/14/2007	UMW-107 9/21/2007	UMW-108 7/26/2004	UMW-108 3/15/2005	UMW-108 6/9/2005	UMW-108 9/27/2005	UMW-108 12/27/2005	UMW-108 6/22/2006	UMW-108 9/19/2006
Benzene	(ug/l)	5	549	344	998	289	1280	812	798	1020	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Ethylbenzene	(ug/l)	1000	27.8	17.1	45.8	18.2	69.1	44.1	32	55.7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene	(ug/l)	700	<25.0	2.6	5.7	2.4	11	7.1	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene (total)	(ug/l)	10000	49.2	32.1	54.6	30.7	81.2	55.2	43	71.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acenaphthene	(ug/l)	420	<3.00	<3.00	<3.00	<3.00	<3.00	<0.10	<1.00	<5.0	<3.00	---	---	---	---	---	---
Acenaphthylene	(ug/l)	210	44.5	<1.50	<1.50	<1.50	5.38	0.2	<1.00	0.19	<1.50	---	---	---	---	---	---
Anthracene	(ug/l)	2100	<0.30	<0.30	<0.30	<0.30	<0.30	0.14	<1.00	0.13	<0.30	---	---	---	---	---	---
Benzo(a)anthracene	(ug/l)	1.3	<0.09	<0.09	<0.09	<0.09	<0.09	<0.10	<1.00	<0.13	<0.09	---	---	---	---	---	---
Benzo(a)pyrene	(ug/l)	0.2	<0.12	<0.12	<0.12	<0.12	<0.12	<0.10	<1.00	<0.20	<0.12	---	---	---	---	---	---
Benzo(b)fluoranthene	(ug/l)	0.18	<0.15	<0.15	<0.15	<0.15	<0.15	<0.10	<1.00	<0.18	<0.15	---	---	---	---	---	---
Benzo(ghi)perylene	(ug/l)	---	<0.30	<0.30	<0.30	<0.30	<0.30	<0.10	1.1	<0.50	<0.30	---	---	---	---	---	---
Benzo(k)fluoranthene	(ug/l)	0.17	<0.15	<0.15	<0.15	<0.15	<0.15	<0.10	<1.00	<0.17	<0.15	---	---	---	---	---	---
Chrysene	(ug/l)	1.5	<0.45	<0.45	<0.45	<0.45	<0.45	<0.10	<1.00	<0.15	<0.45	---	---	---	---	---	---
Dibenzo(a,h)anthracene	(ug/l)	0.3	<0.18	<0.18	<0.18	<0.18	<0.18	<0.10	<1.00	<0.30	<0.18	---	---	---	---	---	---
Fluoranthene	(ug/l)	280	<0.90	<0.90	<0.90	<0.90	<0.90	<0.10	<1.00	<0.10	<0.90	---	---	---	---	---	---
Fluorene	(ug/l)	280	<0.30	<0.30	<0.30	<0.30	<0.30	<0.10	<1.00	<2.0	<0.30	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	(ug/l)	0.43	<0.30	<0.30	<0.30	<0.30	<0.30	<0.10	<1.00	<0.43	<0.30	---	---	---	---	---	---
Naphthalene	(ug/l)	140	99.4	82.6	181	106	243	161	170	160	<3.00	---	---	---	---	---	---
Phenanthrene	(ug/l)	210	<0.60	<0.60	<0.60	<0.60	<0.60	<0.10	<1.00	0.1	<0.60	---	---	---	---	---	---
Pyrene	(ug/l)	210	<0.30	<0.30	<0.30	<0.30	<0.30	<0.10	<1.00	<2.0	<0.30	---	---	---	---	---	---

Notes:
ug/l - micrograms per liter
<2.0 - not detected at the detection limit noted
Exceeds the Class 1 Groundwater St

TABLE 5-10
GROUNDWATER RESULTS BTEX, PAHs - 2004 Data
COMPARISON TO CLASS 1 GROUNDWATER STANDARDS
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

CONSTITUENT	UNITS	CLASS I GROUNDWATER STANDARD	UMW-108 12/13/2006	UMW-108 6/14/2007	UMW-108 9/14/2007	UMW-109 7/26/2004	UMW-110 7/26/2004	UMW-111A 7/26/2004	UMW-111A 3/15/2005	UMW-111A 6/9/2005	UMW-111A 9/27/2005	UMW-111A 12/27/2005	UMW-111A 6/22/2006	UMW-111A 9/19/2006	UMW-111A 12/13/2006	UMW-111A 6/14/2007	UMW-111A 9/21/2007
Benzene	(ug/l)	5	<2.0	<2.0	<2.0	<2.0	15.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Ethylbenzene	(ug/l)	1000	<5.0	<5.0	<5.0	<5.0	2.3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene	(ug/l)	700	<5.0	<5.0	<5.0	<5.0	67.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene (total)	(ug/l)	10000	<5.0	<5.0	<5.0	<5.0	37.3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acenaphthene	(ug/l)	420	---	---	---	<3.00	87.6	<3.00	---	---	---	---	---	---	---	---	---
Acenaphthylene	(ug/l)	210	---	---	---	<1.50	92.6	<1.50	---	---	---	---	---	---	---	---	---
Anthracene	(ug/l)	2100	---	---	---	<0.30	15.1	<0.30	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	(ug/l)	1.3	---	---	---	<0.09	0.33	<0.09	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	(ug/l)	0.2	---	---	---	<0.12	<0.12	<0.12	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	(ug/l)	0.18	---	---	---	<0.15	<0.15	<0.15	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	(ug/l)	---	---	---	---	<0.30	<0.30	<0.30	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	(ug/l)	0.17	---	---	---	<0.15	<0.15	<0.15	---	---	---	---	---	---	---	---	---
Chrysene	(ug/l)	1.5	---	---	---	<0.45	<0.45	<0.45	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	(ug/l)	0.3	---	---	---	<0.18	<0.18	<0.18	---	---	---	---	---	---	---	---	---
Fluoranthene	(ug/l)	280	---	---	---	<0.90	12.1	<0.90	---	---	---	---	---	---	---	---	---
Fluorene	(ug/l)	280	---	---	---	<0.30	7.66	<0.30	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	(ug/l)	0.43	---	---	---	<0.30	<0.30	<0.30	---	---	---	---	---	---	---	---	---
Naphthalene	(ug/l)	140	---	---	---	<3.00	24.6	<3.00	---	---	---	---	---	---	---	---	---
Phenanthrene	(ug/l)	210	---	---	---	<0.60	26.7	<0.60	---	---	---	---	---	---	---	---	---
Pyrene	(ug/l)	210	---	---	---	<0.30	5.25	<0.30	---	---	---	---	---	---	---	---	---

Notes:
ug/l - micrograms per liter
<2.0 - not detected at the detection limit noted
Exceeds the Class 1 Groundwater St

TABLE 5-10
GROUNDWATER RESULTS BTEX, PAHs - 2004 Data
COMPARISON TO CLASS 1 GROUNDWATER STANDARDS
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

CONSTITUENT	UNITS	CLASS I GROUNDWATER STANDARD	UMW-112 7/26/2004	UMW-112 3/15/2005	UMW-112 6/9/2005	UMW-112 9/27/2005	UMW-112 12/27/2005	UMW-112 6/22/2006	UMW-112 9/19/2006	UMW-112 12/13/2006	UMW-112 6/14/2007	UMW-112 9/21/2007	UMW-113 7/26/2004	UMW-114 7/26/2004	UMW-114 3/15/2005	UMW-114 6/9/2005	UMW-114 9/27/2005
Benzene	(ug/l)	5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	5.7	628	726	867	1130
Ethylbenzene	(ug/l)	1000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	120	1240	1260	1370
Toluene	(ug/l)	700	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	1	868	163	152	190
Xylene (total)	(ug/l)	10000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	4.8	425	920	932	1010
Acenaphthene	(ug/l)	420	<3.00	---	---	---	---	---	---	---	---	---	33.9	214	101	222	208
Acenaphthylene	(ug/l)	210	<1.50	---	---	---	---	---	---	---	---	---	70.7	552	<15.0	<7.5	<7.5
Anthracene	(ug/l)	2100	<0.30	---	---	---	---	---	---	---	---	---	<0.30	1.04	<0.3	<0.3	8.2
Benzo(a)anthracene	(ug/l)	1.3	<0.09	---	---	---	---	---	---	---	---	---	<0.09	<0.09	0.2	<0.09	<0.09
Benzo(a)pyrene	(ug/l)	0.2	<0.12	---	---	---	---	---	---	---	---	---	<0.12	<0.12	0.14	<0.12	<0.12
Benzo(b)fluoranthene	(ug/l)	0.18	<0.15	---	---	---	---	---	---	---	---	---	<0.15	<0.15	<0.15	<0.15	<0.15
Benzo(ghi)perylene	(ug/l)	---	<0.30	---	---	---	---	---	---	---	---	---	<0.30	<0.30	<0.30	<0.3	<0.3
Benzo(k)fluoranthene	(ug/l)	0.17	<0.15	---	---	---	---	---	---	---	---	---	<0.15	<0.15	<0.15	<0.15	<0.15
Chrysene	(ug/l)	1.5	<0.45	---	---	---	---	---	---	---	---	---	<0.45	<0.45	<0.45	<0.45	<0.45
Dibenzo(a,h)anthracene	(ug/l)	0.3	<0.18	---	---	---	---	---	---	---	---	---	<0.18	<0.18	<0.18	<0.18	<0.18
Fluoranthene	(ug/l)	280	<0.90	---	---	---	---	---	---	---	---	---	<0.90	0.99	0.94	1.07	1.09
Fluorene	(ug/l)	280	<0.30	---	---	---	---	---	---	---	---	---	2.36	20.6	48.4	64.1	44.4
Indeno(1,2,3-cd)pyrene	(ug/l)	0.43	<0.30	---	---	---	---	---	---	---	---	---	<0.30	<0.30	<0.3	<0.3	<0.3
Naphthalene	(ug/l)	140	<3.00	---	---	---	---	---	---	---	---	---	580	3650	7570	5920	11500
Phenanthrene	(ug/l)	210	<0.60	---	---	---	---	---	---	---	---	---	5990	7.48	11	10.2	9.87
Pyrene	(ug/l)	210	<0.30	---	---	---	---	---	---	---	---	---	6020	0.64	0.66	0.65	0.4

Notes:
ug/l - micrograms per liter
<2.0 - not detected at the detection limit noted
Exceeds the Class 1 Groundwater St

TABLE 5-10
GROUNDWATER RESULTS BTEX, PAHs - 2004 Data
COMPARISON TO CLASS 1 GROUNDWATER STANDARDS
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

CONSTITUENT	UNITS	CLASS I GROUNDWATER STANDARD	UMW-114 12/27/2005	UMW-114 6/22/2006	UMW-114 9/19/2006	UMW-114 12/13/2006	UMW-114 6/14/2007	UMW-114 9/21/2007	UMW-115 7/26/2004	UMW-115 3/15/2005	UMW-115 6/9/2005	UMW-115 9/27/2005	UMW-115 12/27/2005	UMW-115 6/22/2006	UMW-115 9/19/2006	UMW-115 12/13/2006	UMW-115 6/14/2007
Benzene	(ug/l)	5	939	936	938	1130	1150	1120	12.9	5.2	8.3	12.5	4.1	11.7	7	4.4	9
Ethylbenzene	(ug/l)	1000	1150	1140	1220	1170	1160	1060	<5.0	<5.0	<5.0	1.9	<5.0	<5.0	1.4	<5.0	<5.0
Toluene	(ug/l)	700	133	131	150	150	170	130	1.2	<5.0	1.1	1.1	<5.0	1.4	<5.0	<5.0	<5.0
Xylene (total)	(ug/l)	10000	891	1020	924	984	963	861	<5.0	<5.0	<5.0	<5.0	<5.0	1.0	1.2	1.2	<5.0
Acenaphthene	(ug/l)	420	236	159	111	140	158	86	13.5	---	---	---	---	---	---	---	---
Acenaphthylene	(ug/l)	210	<7.5	868	<15.0	22	85.9	19.7	26.4	---	---	---	---	---	---	---	---
Anthracene	(ug/l)	2100	<3.0	1.8	<0.3	1.17	21.3	1.3	<0.30	---	---	---	---	---	---	---	---
Benzo(a)anthracene	(ug/l)	1.3	1.1	0.91	0.2	0.16	1.6	0.25	<0.09	---	---	---	---	---	---	---	---
Benzo(a)pyrene	(ug/l)	0.2	1.07	0.97	<0.12	0.11	<0.50	0.13	<0.12	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	(ug/l)	0.18	0.49	0.30	<0.15	<0.10	<0.50	<0.18	<0.15	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	(ug/l)	---	0.44	0.68	<0.30	<0.10	<0.50	<0.50	<0.30	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	(ug/l)	0.17	<0.15	<0.15	<0.15	<0.10	<0.50	<0.17	<0.15	---	---	---	---	---	---	---	---
Chrysene	(ug/l)	1.5	1.22	0.93	<0.45	<0.10	<0.50	0.17	<0.45	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	(ug/l)	0.3	<0.18	<0.18	<0.18	<0.10	<0.50	<0.30	<0.18	---	---	---	---	---	---	---	---
Fluoranthene	(ug/l)	280	4.66	3.38	<0.9	0.56	0.7	0.85	<0.90	---	---	---	---	---	---	---	---
Fluorene	(ug/l)	280	68.6	42.8	<0.3	17.4	18.1	17.8	8.46	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	(ug/l)	0.43	0.31	0.30	<0.3	<0.10	<0.50	<.043	<0.30	---	---	---	---	---	---	---	---
Naphthalene	(ug/l)	140	5980	7510	7880	5980	6440	5560	<3.00	---	---	---	---	---	---	---	---
Phenanthrene	(ug/l)	210	12.8	14.0	11.1	5.84	6.0	6.18	<0.60	---	---	---	---	---	---	---	---
Pyrene	(ug/l)	210	2.29	2.74	0.55	0.83	0.95	1.4	<0.30	---	---	---	---	---	---	---	---

Notes:
ug/l - micrograms per liter
<2.0 - not detected at the detection limit noted
Exceeds the Class 1 Groundwater St

TABLE 5-10
GROUNDWATER RESULTS BTEX, PAHs - 2004 Data
COMPARISON TO CLASS 1 GROUNDWATER STANDARDS
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

CONSTITUENT	UNITS	CLASS I GROUNDWATER STANDARD	UMW-115 9/21/2007	UMW-116 7/26/2004	UMW-116 3/15/2005	UMW-116 6/9/2005	UMW-116 9/27/2005	UMW-116 12/27/2005	UMW-116 6/22/2006	UMW-116 9/16/2006	UMW-116 12/13/2006	UMW-116 6/14/2007	UMW-116 6/14/2007	UMW-116 9/14/2007
Benzene	(ug/l)	5	12.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Ethylbenzene	(ug/l)	1000	1.8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene	(ug/l)	700	1.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene (total)	(ug/l)	10000	1.3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acenaphthene	(ug/l)	420	---	<3.00	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	(ug/l)	210	---	<1.50	---	---	---	---	---	---	---	---	---	---
Anthracene	(ug/l)	2100	---	<0.30	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	(ug/l)	1.3	---	<0.09	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	(ug/l)	0.2	---	<0.12	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	(ug/l)	0.18	---	<0.15	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	(ug/l)	---	---	<0.30	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	(ug/l)	0.17	---	<0.15	---	---	---	---	---	---	---	---	---	---
Chrysene	(ug/l)	1.5	---	<0.45	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	(ug/l)	0.3	---	<0.18	---	---	---	---	---	---	---	---	---	---
Fluoranthene	(ug/l)	280	---	<0.90	---	---	---	---	---	---	---	---	---	---
Fluorene	(ug/l)	280	---	<0.30	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	(ug/l)	0.43	---	<0.30	---	---	---	---	---	---	---	---	---	---
Naphthalene	(ug/l)	140	---	<3.00	---	---	---	---	---	---	---	---	---	---
Phenanthrene	(ug/l)	210	---	<0.60	---	---	---	---	---	---	---	---	---	---
Pyrene	(ug/l)	210	---	<0.30	---	---	---	---	---	---	---	---	---	---

Notes:
ug/l - micrograms per liter
<2.0 - not detected at the detection limit noted
Exceeds the Class 1 Groundwater St

TABLE 5-11
Groundwater Analytical Data - BTEX, PAHs, Metals, Cyanide
May 2008

Former MGP Site
Champaign, Illinois
AmerenIP

CONSTITUENT	Class 1 Groundwater Standard	Units	UMW-102 5/22/2008	UMW-104 5/22/2008	UMW-105 5/21/2008	UMW-106 5/21/2008	UMW-107 5/20/2008	UMW-108 5/20/2008	UMW-109 5/22/2008	UMW-110 5/21/2008	UMW-111A 5/22/2008	UMW-113 5/20/2008	UMW-114 5/20/2008	UMW-115 5/20/2008	UMW-116 5/20/2008	UMW-117 5/21/2008
Benzene	0.005	mg/L	<0.0020	<0.0020	<0.0020	<0.0020	0.236	<0.0020	<0.0020	0.0132	<0.0020	0.0035	1.320	0.0116	<0.0020	<0.0020
Ethylbenzene	0.70	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0082	<0.0050	<0.0050	0.0387	<0.0050	0.0017	1.230	<0.005	<0.0050	<0.0050
Toluene	1.0	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	<0.0050	<0.0050	0.0014	<0.0050	<0.005	0.150	<0.005	<0.0050	<0.0050
Xylene (total)	10.0	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.014	<0.0050	<0.0050	0.0353	<0.0050	0.001	1.010	<0.005	<0.0050	<0.0050
Polynuclear Aromatic Hydrocarbons 8270 SIMS																
Acenaphthene	0.42	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0217	<0.0001	0.00961	0.0729	0.00390	<0.0001	<0.0001
Acenaphthylene	0.21 [1]	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	0.00024	<0.0001	<0.0001	0.0451	<0.0001	0.00959	0.0217	0.00115	<0.0001	<0.0001
Anthracene	2.10	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	0.00012	<0.0001	<0.0001	0.00388	<0.0001	0.00027	0.00095	0.00021	<0.0001	<0.0001
Benzo(a)anthracene	0.00013	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00019	<0.0001	<0.0001	<0.0005	<0.00010	<0.0001	<0.0001
Benzo(a)pyrene	0.0002	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.00010	<0.0001	<0.0001
Benzo(b)fluoranthene	0.00018	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.00010	<0.0001	<0.0001
Benzo(ghi)perylene	0.21 [1]	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.00010	<0.0001	<0.0001
Benzo(k)fluoranthene	0.00017	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.00010	<0.0001	<0.0001
Bis(2-ethylhexyl)phthalate	0.006	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002
Chrysene	0.0015	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00012	<0.0001	<0.0001	<0.0005	<0.00010	<0.0001	<0.0001
Dibenzo(a,h)anthracene	0.0003	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.00010	<0.0001	<0.0001
Diethyl phthalate	5.60	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.00100	<0.001	<0.001
Dimethyl phthalate	70.0 [1]	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.00100	<0.001	<0.001
Di-n-butyl phthalate	0.70	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.00100	<0.001	<0.001
Fluoranthene	0.28	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00184	<0.0001	<0.0001	<0.0005	<0.00010	<0.0001	<0.0001
Fluorene	0.28	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00586	<0.0001	0.00056	0.015	0.00139	<0.0001	<0.0001
Indeno(1,2,3-cd)pyrene	0.00043	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.00010	<0.0001	<0.0001
m,p-Cresol	0.035	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.00010	<0.0001	<0.0001
Naphthalene	0.14	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	0.0399	<0.0001	<0.0001	0.00645	<0.0001	0.00068	4.61	<0.00010	<0.0001	0.00015
o-Cresol	0.35	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.00010	<0.0001	<0.0001
Phenanthrene	0.21 [1]	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0213	<0.0001	<0.0001	0.00522	<0.00010	<0.0001	<0.0001
Pyrene	0.21	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00244	<0.0001	<0.0001	<0.0005	<0.00010	<0.0001	<0.0001
Total PNA's except Naphthalene	---	mg/L	<0.00013	<0.00013	<0.00013	<0.00013	0.00037	<0.00013	<0.00013	0.102	<0.00013	0.02	0.116	0.00665	<0.00013	<0.00013
Metals																
Arsenic 7060A	0.05	mg/L	0.007	0.0007	<0.003	<0.003	0.0059	<0.003	<0.003	0.0069	<0.003	0.0142	0.0194	0.0107	<0.003	<0.003
Lead 7421	0.0075	mg/L	<0.002	0.0017	<0.002	<0.002	<0.002	<0.002	<0.002	0.0004	<0.002	<0.002	<0.002	<0.002	<0.002	0.0005
Chromium 6010B	0.10	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0166	<0.01	<0.01	<0.01	<0.01	<0.01	0.019	<0.01
Cyanide (total) 9012A	0.20	mg/L	<0.007	0.186	0.098	0.36	0.761	0.043	<0.007	0.916	<0.007	0.965	2.28	2.67	0.004	<0.007

[1] Non-TACO or provisional ROs published by the IEPA.
--- No ROs have been established.
Constituent exceeds Class 1 Groundwater Standards.
<0.0005 Laboratory method detection limit is higher than the Class 1 Groundwater Standards
mg/kg Milligrams per kilogram
<0.0001 Not detected at the detection limit identified.

TABLE 5-11
Groundwater Analytical Data - BTEX, PAHs, Metals, Cyanide
May 2008

Former MGP Site
Champaign, Illinois
AmerenIP

CONSTITUENT	Class 1 Groundwater Standard	Units	UMW-118 5/22/2008	UMW-119 5/22/2008	UMW-120 5/22/2008	UMW-121 5/21/2008	UMW-300 5/23/2008	UMW-301 5/21/2008	UMW-302 5/21/2008	UMW-302D 5/21/2008	UMW-303 5/22/2008	UMW-303D 5/22/2008	UMW-304 5/22/2008	UMW-305 7/10/2008	UMW-306 7/10/2008	UMW-307 7/10/2008
Benzene	0.005	mg/L	<0.0020	0.0034	<0.0020	<0.0020	<0.0020	<0.002	1.320	1.33	<0.0020	<0.0020	0.0402	<0.0020	<0.0020	<0.0020
Ethylbenzene	0.70	mg/L	<0.0050	0.0062	<0.0050	<0.0050	<0.0050	<0.005	0.514	0.49	<0.0050	<0.0050	0.450	<0.0050	<0.0050	<0.0050
Toluene	1.0	mg/L	<0.0050	<0.005	<0.0050	<0.0050	<0.0050	<0.005	<0.0500	<0.500	<0.0050	<0.0050	0.0076	<0.0050	<0.0050	<0.0050
Xylene (total)	10.0	mg/L	<0.0050	0.0066	<0.0050	<0.0050	<0.0050	0.0029	0.160	0.150	<0.0050	<0.0050	0.150	<0.0050	<0.0050	<0.0050
Polynuclear Aromatic Hydrocarbons 8270 SIMS																
Acenaphthene	0.42	mg/L	<0.0001	0.0023	<0.0001	<0.00045	<0.0001	0.00078	<0.0005	0.00011	<0.0001	<0.0001	0.00934	<0.00010	<0.00010	<0.00010
Acenaphthylene	0.21 (1)	mg/L	<0.0001	0.00152	<0.0001	<0.00045	<0.0001	0.00902	0.0007	0.00069	<0.0001	<0.0001	0.00133	<0.00010	<0.00010	<0.00010
Anthracene	2.10	mg/L	<0.0001	0.00014	<0.0001	<0.00045	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.00010	<0.00010
Benzo(a)anthracene	0.00013	mg/L	<0.0001	<0.0001	<0.0001	<0.00045	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.00010	<0.00010
Benzo(a)pyrene	0.0002	mg/L	<0.0001	<0.0001	<0.0001	<0.00045	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.00010	<0.00010
Benzo(b)fluoranthene	0.00018	mg/L	<0.0001	<0.0001	<0.0001	<0.00045	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.00010	<0.00010
Benzo(ghi)perylene	0.21 (1)	mg/L	<0.0001	<0.0001	<0.0001	<0.00045	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.00010	<0.00010
Benzo(k)fluoranthene	0.00017	mg/L	<0.0001	<0.0001	<0.0001	<0.00045	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.00010	<0.00010
Bis(2-ethylhexyl)phthalate	0.006	mg/L	<0.002	<0.002	<0.002	<0.00909	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.00200	<0.00200	<0.00200
Chrysene	0.0015	mg/L	<0.0001	<0.0001	<0.0001	<0.00045	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.00010	<0.00010
Dibenzo(a,h)anthracene	0.0003	mg/L	<0.0001	<0.0001	<0.0001	<0.00045	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.00010	<0.00010
Diethyl phthalate	5.60	mg/L	<0.001	<0.001	<0.001	<0.00455	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.00100	<0.00100	<0.00100
Dimethyl phthalate	70.0 (1)	mg/L	<0.001	<0.001	<0.001	<0.00455	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	0.00062	<0.00100	<0.00100
Di-n-butyl phthalate	0.70	mg/L	<0.001	0.00051	<0.001	<0.00455	<0.001	0.0005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.00100	<0.00100	<0.00100
Fluoranthene	0.28	mg/L	<0.0001	0.0003	<0.0001	<0.00045	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.00010	<0.00010
Fluorene	0.28	mg/L	<0.0001	0.00068	<0.0001	<0.00045	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	0.0001	<0.00010	<0.00010	<0.00010
Indeno(1,2,3-cd)pyrene	0.00043	mg/L	<0.0001	<0.0001	<0.0001	<0.00045	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.00010	<0.00010
m,p-Cresol	0.035	mg/L	<0.0001	<0.0001	<0.0001	<0.00045	<0.0001	0.00312	0.00969	0.00996	0.00175	0.0018	0.00391	<0.00010	<0.00010	<0.00010
Naphthalene	0.14	mg/L	<0.0001	0.00092	<0.0001	<0.00045	<0.0001	0.00073	3.36	3.57	0.00009	<0.0001	0.0275	<0.00010	<0.00010	<0.00010
o-Cresol	0.35	mg/L	<0.0001	0.0001	<0.0001	<0.00045	<0.0001	0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.00010	<0.00010
Phenanthrene	0.21 (1)	mg/L	<0.0001	0.0001	<0.0001	<0.00045	<0.0001	0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.00010	<0.00010
Pyrene	0.21	mg/L	<0.0001	0.00039	<0.0001	<0.00045	<0.0001	0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.00010	<0.00010
Total PNA's except Naphthalene	---	mg/L	<0.00013	0.00532	<0.00013	<0.00059	<0.00013	0.0098	0.0007	0.0008	<0.00013	<0.00013	0.0108	<0.00013	<0.00013	<0.00013
Metals																
Arsenic 7060A	0.05	mg/L	0.0078	0.0012	0.0015	<0.003	0.002	0.0011	0.002	0.0017	0.0023	0.0038	<0.003	0.0016	0.0018	0.003
Lead 7421	0.0075	mg/L	0.0151	0.0015	0.0029	<0.002	0.0006	0.001	<0.002	0.0022	<0.002	0.0004	<0.002	<0.0020	<0.0020	0.0011
Chromium 6010B	0.10	mg/L	0.0266	<0.01	0.0044	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0100	<0.0100	>0.0100
Cyanide (total) 9012A	0.20	mg/L	0.047	0.013	<0.007	0.415	<0.007	<0.007	0.044	0.045	<0.007	<0.007	0.031	<0.007	0.010	0.016

(1) Non-TACO or provisional ROs publishe
--- No ROs have been established.
Constituent exceeds Class 1 Groundwa
<0.0005 Laboratory method detection limit is hig
mg/kg Milligrams per kilogram
<0.0001 Not detected at the detection limit identified.

TABLE 6-1
MANUFACTURED GAS-PLANT RELATED CONSTITUENTS OF CONCERN
OFF-SITE INVESTIGATION REPORT
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

SOIL	***GROUNDWATER***
Inorganics	**Inorganics**
Cyanide	Cyanide
Metals	
Chromium	
Lead	
Arsenic	
Volatile Aromatics	**Volatile Aromatics**
Benzene	Benzene
Ethylbenzene	Ethylbenzene
Toluene	
Total Xylenes	
Polycylic Aromatic Hydrocarbons	**Polycylic Aromatic Hydrocarbons**
Acenaphthylene	Benzo(a)anthracene
Benzo(a)anthracene	Naphthalene
Benzo(a)pyrene	
Benzo(b)fluoranthene	
Benzo(k)fluoranthene	
Dibenzo (a,h,)anthracene	
Indeno(1,2,3,cd)pyrene	
Naphthalene	
Phenanthrene	

Table 6-2

TOC SAMPLE SUMMARY
CHAMPAIGN MGP SITE
CHAMPAIGN , ILLINOIS
AMERENIP

Location	Depth (Feet)	Soil Type	TOC (mg/kg)
CHPH 200-01	1	fill	16,900
CHPH 201-01	1	fill	23,100
CHPH 202-01	1	fill (coal)	276,000
CHPH 203-01	1	fill (coal)	111,000
CHPH 200-02	5	Silty CLAY	2,230
CHPH 201-02	9	CLAY	3,230
CHPH 202-02	10	CLAY	1,650
CHPH 203-02	10	Silty CLAY	11,500
CHPH 200-03	14	Sandy CLAY	13,600
CHPH 201-03	15	CLAY	7,300
CHPH 202-03	15	CLAY	2,570
CHPH 203-03	15	Silty CLAY	3,010

Notes:
mg/kg - milligrams per kilogram
TOC - total organic carbon
Average TOC for depths of 0'-3', 3'-10', and greater than 10'

Table 6-3

SOIL ATTENUATION SOURCE EVALUATION
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

Location	Depth (Feet)	TPH (mg/kg)	TOC
B-504-3	2-3	19,920	6000[1]
TP-503-3	3	24,730	6000[1]
TP-504-3	3	6,690	6000[1]
B-505-6	5-6	31,110	2000[1]
B-516-5	4-5	5,410	2000[1]
TP-507-3.5	3.5	12,510	2000[1]
TP-508-4	4	28,630	2000[1]
B-504-21	20-21	11,040	4293[2]
B-506-17	16-17	12,900	4293[2]
B-507-19	18-19	23,215	4293[2]
B-514-17	16-17	60,700	4293[2]
B-553-24	23-24	49,310	4293[2]
B-554-18	17-18	6,670	4293[2]
B-562-14	13-14	6,220	4293[2]

Notes:
TPH - Total petroleum hydrocarbons
mg/kg - milligrams per kilogram
[1] - Default value from IAC 742
[2] - Average TOC value from samples CHPH-200-02, CHPH-201-02, and CHPH -202-02

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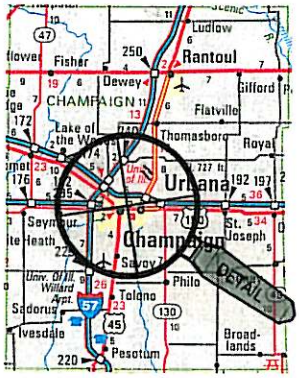
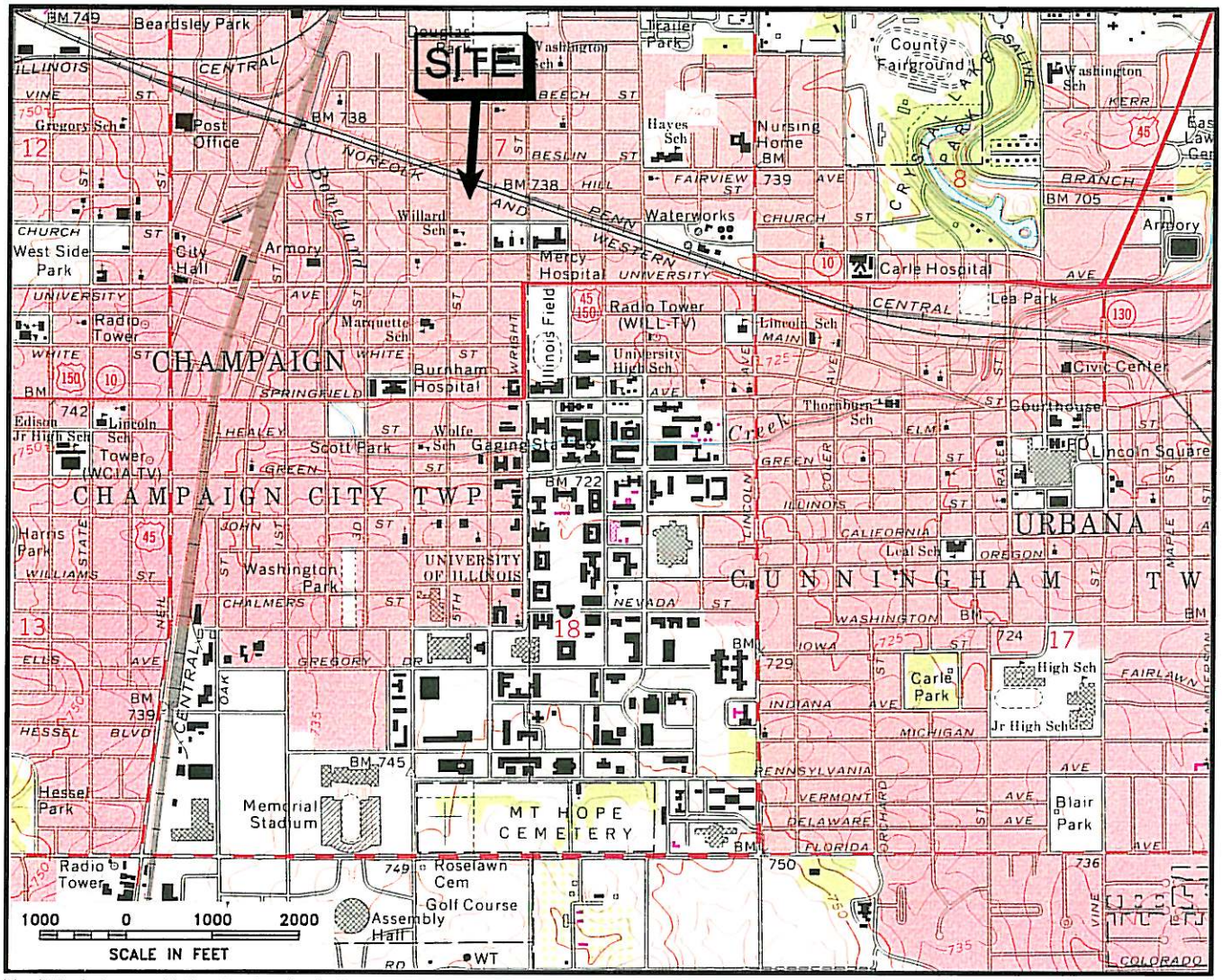
ILLINOIS

CHAMPAIGN COUNTY



AREA IN DETAIL



Modified from U.S. Geological Survey, Urbana, Illinois, quadrangle, Photorevised 1975.

SCALE IS VARIABLE

PSC	TITLE: SITE LOCATION MAP	DWN: TMM	DES.: SPB	PROJECT NO.: 62403053 AMEREN IP CHAMPAIGN, ILLINOIS
		CHKD:	APPD:	
		DATE: 2/24/00	REV.: 0	FIGURE 1-1

COL. 624\00345E-001

WASHINGTON STREET

SIXTH STREET

16.5' WIDE PUBLIC ALLEY

GATE

HILL STREET (VACATED)

GATE

GATE

HILL STREET

5TH STREET

FORMER BOOSTER HOUSE

16.5' WIDE PUBLIC ALLEY

CHURCH STREET

LEGEND

- EXISTING STRUCTURES (APPROXIMATE)
- CURRENT AMERENIP PROPERTY BOUNDARY
- REMEDIATION SITE BOUNDARY
- FENCE

SOURCE: THE SOURCE FOR THE PROPERTY BOUNDARY SURVEY IS VEGRZYN, SARVER AND ASSOCIATES.

0 80
FEET

N

COL. J:\624\026478-033

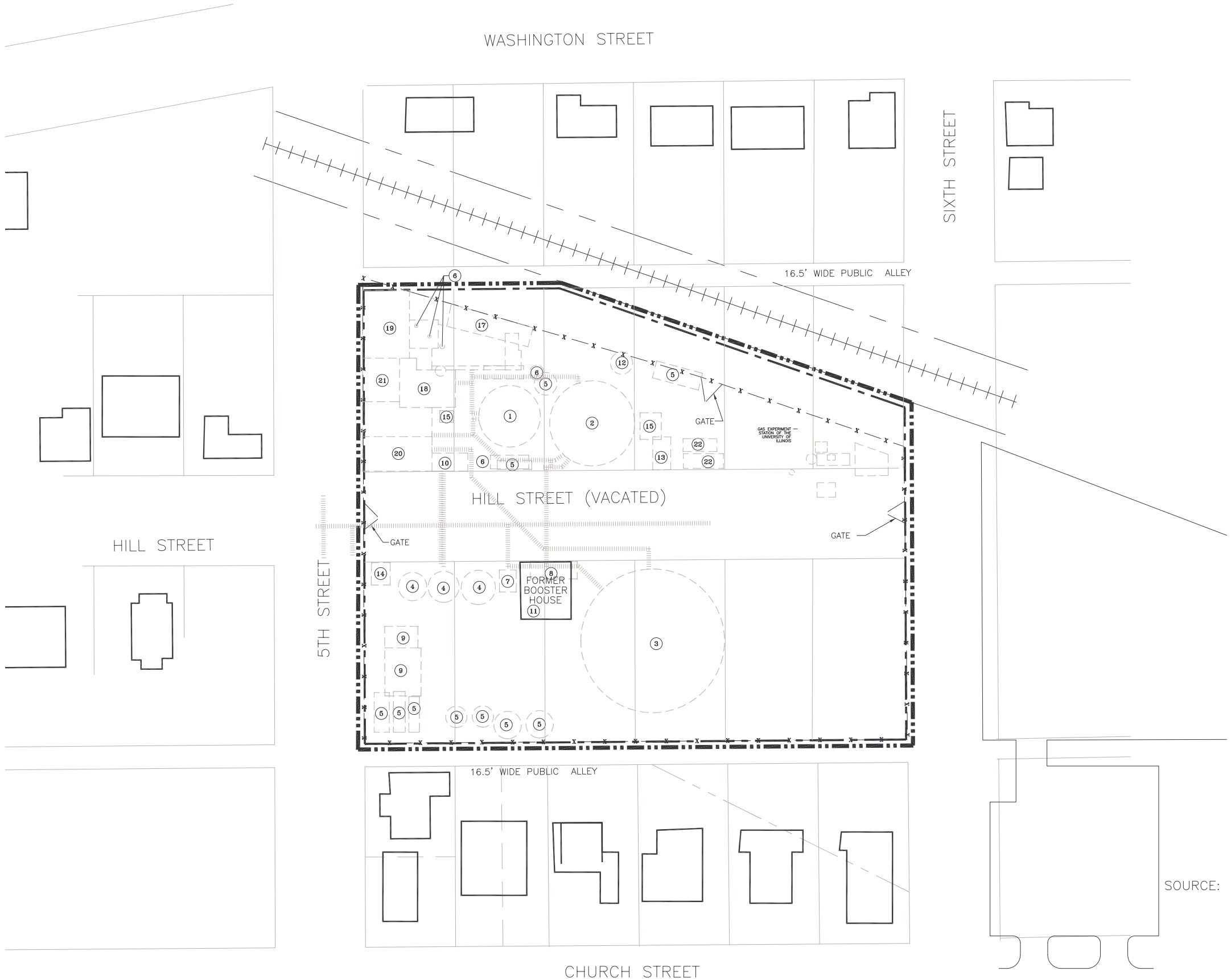
PSC

TITLE:
SITE MAP

DWN:	DES:
TMM	MRC
CHKD:	APPD:
DATE: 2/4/08	REV:

PROJECT NO: 62403053
AMERENIP
CHAMPAIGN, ILLINOIS

FIGURE 1-2



LEGEND

- HISTORICAL MANUFACTURED GAS PLANT STRUCTURES (APPROXIMATE)
- FORMER GAS PLANT PIPING (APPROXIMATE)
- EXISTING STRUCTURES (APPROXIMATE)
- CURRENT AMERENIP PROPERTY BOUNDARY
- REMEDIATION SITE BOUNDARY
- FENCE

1. GAS HOLDER GH–1
2. GAS HOLDER GH–2
3. GAS HOLDER GH–3
4. PURIFIER
5. OIL TANK
6. TAR SEPARATOR
7. SCRUBBER
8. BOOSTER
9. METER SHOP
10. OFFICE
11. PUMP HOUSE
12. SETTLING TANK
13. PUMP HOUSE / DEHYDRATOR HOUSE
14. TOOL ROOM / OFFICE / GARAGE
15. CRUSHER HOUSE
16. WELL HOUSE
17. COAL SHED
18. WATER GAS ROOM
19. RETORTS
20. PURIFYING ROOM
21. CONDENSING ROOM
22. OIL TANK / TAR WELL
23. BOILER ROOM

SOURCE: THE SOURCE FOR THE PROPERTY BOUNDARY SURVEY IS VEGRZYN, SARVER AND ASSOCIATES.

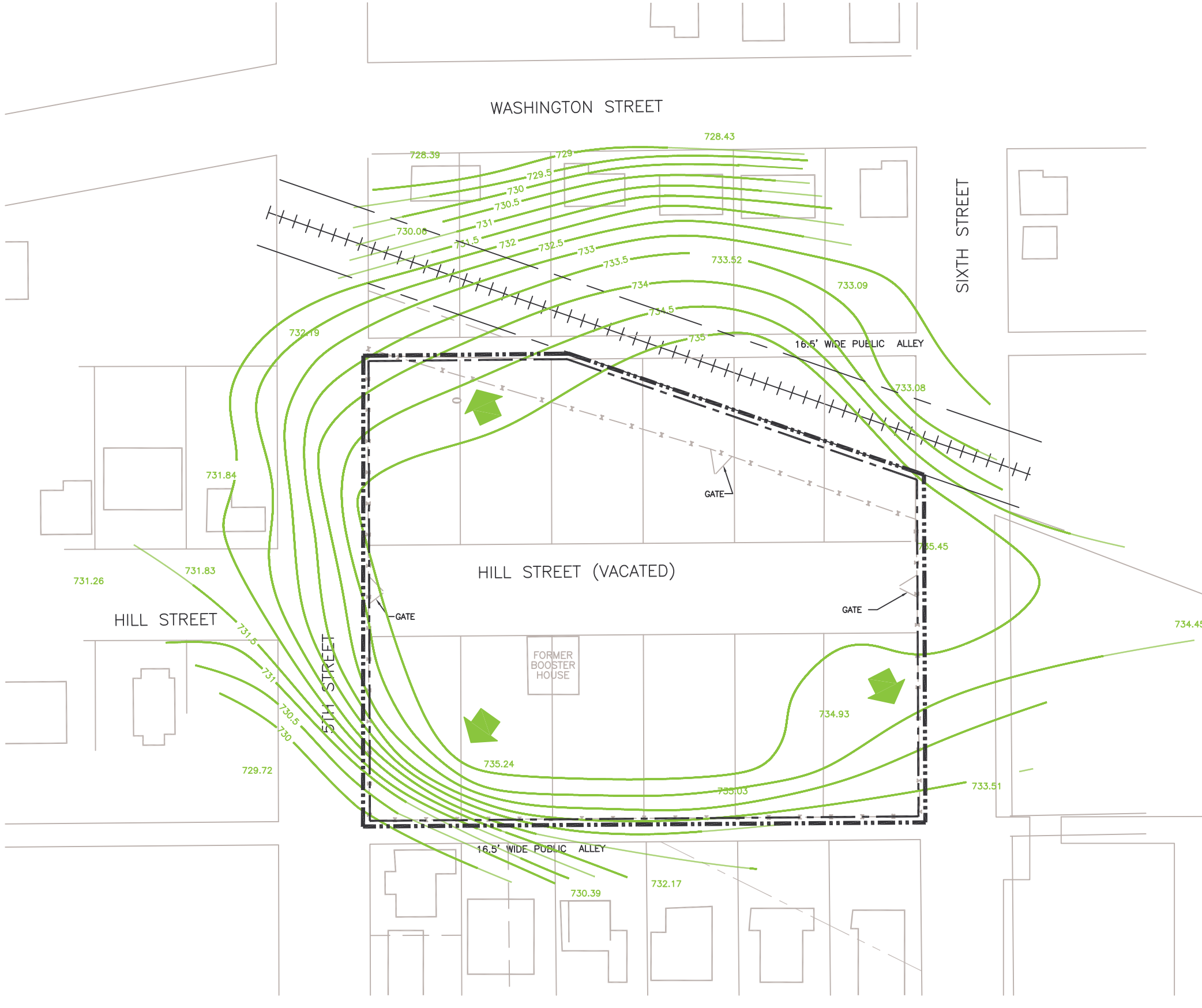
0 80
FEET

PSC

TITLE:
HISTORICAL MGP STRUCTURES

DWN:	DES:	PROJECT NO: 62403053
TMM	MRC	AMERENIP CHAMPAIGN, ILLINOIS
CHKD:	APPD:	
DATE: 06/26/08	REV:	FIGURE 2–1

COL. J:\624\026478-033A



LEGEND

- HISTORICAL MANUFACTURED GAS PLANT STRUCTURES (APPROXIMATE)
- FORMER GAS PLANT PIPING (APPROXIMATE)
- EXISTING STRUCTURES (APPROXIMATE)
- CURRENT AMERENIP PROPERTY BOUNDARY
- REMEDIATION SITE BOUNDARY
- FENCE
- UMW-112 734.45 — SHALLOW GROUNDWATER MONITORING WELL WITH GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION

NOTE: THE HISTORICAL MANUFACTURED GAS PLANT STRUCTURES ARE A COMPOSITE FROM SANBORN FIRE INSURANCE MAPS AND HISTORICAL AMERENIP SITE PLANS. THE EXACT LOCATIONS OF THE FEATURES IS NOT KNOWN. STRUCTURES AND BUILDINGS MAY HAVE SERVED MULTIPLE PURPOSES DURING THE OPERATION OF THE PLANT.

SOURCE: THE SOURCE FOR THE PROPERTY BOUNDARY SURVEY IS VEGRZYN, SARVER AND ASSOCIATES.

0 80
FEET

PSC

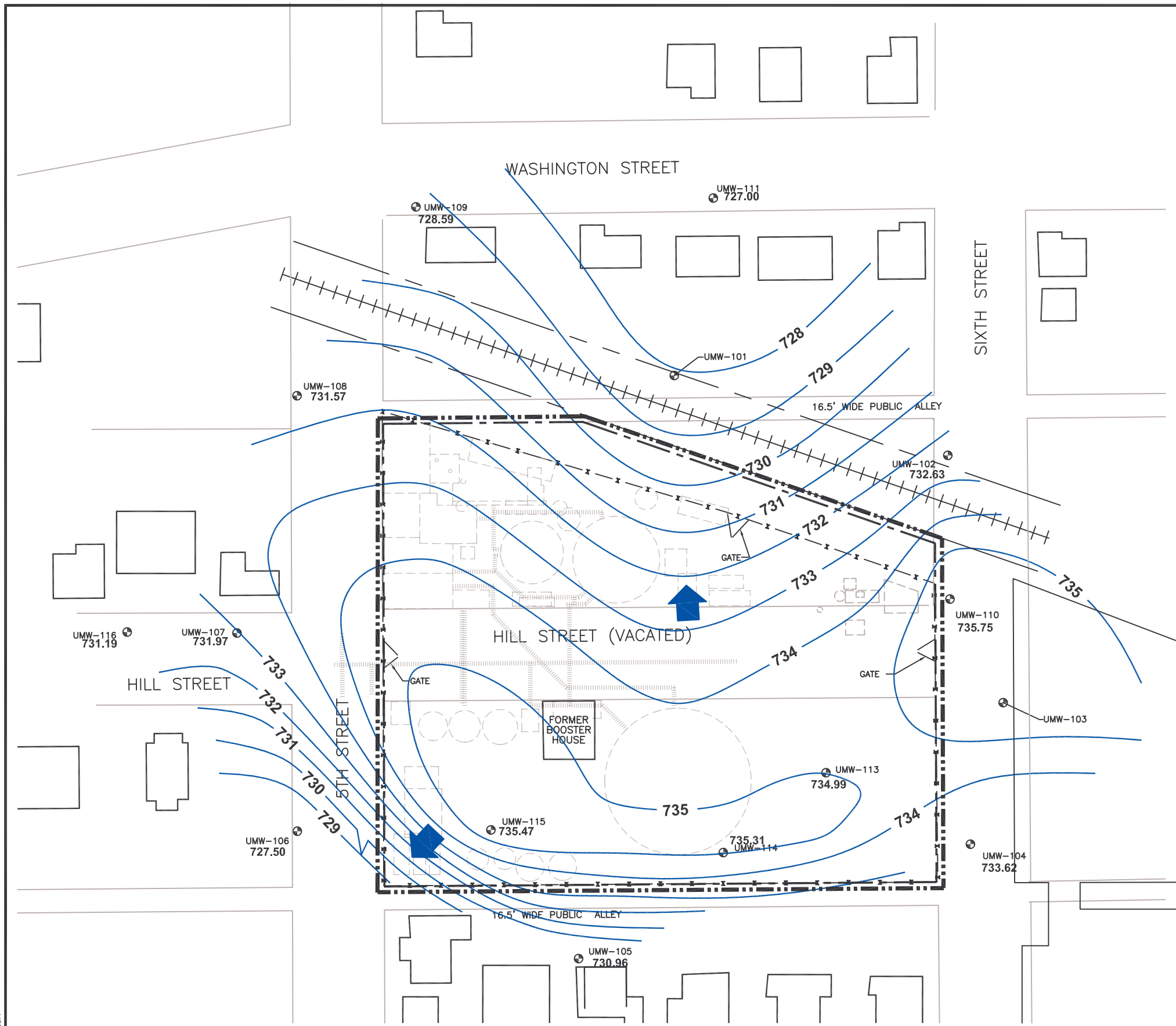
TITLE:
SHALLOW POTENTIOMETRIC SURFACE MAP
MAY 19, 2008

DWN: TMM	DES: MRC
CHKD:	APPD:
DATE: 6/27/08	REV:

PROJECT NO: 62403053
AMERENIP
CHAMPAIGN, ILLINOIS

FIGURE 2-2

COL. J:\624\026470-009



LEGEND

- HISTORICAL MANUFACTURED GAS PLANT STRUCTURES (APPROXIMATE)
- FORMER GAS PLANT PIPING (APPROXIMATE)
- EXISTING STRUCTURES (APPROXIMATE)
- CURRENT AMERENIP PROPERTY BOUNDARY
- REMEDIATION SITE BOUNDARY
- FENCE
- UMW-113 — SHALLOW GROUNDWATER MONITORING WELLS (APPROXIMATELY 20') COMPLETED IN UPPER GLACIAL TILL
- 734.6 — WATER TABLE ELEVATION (FEET) DECEMBER 2006
- GROUNDWATER FLOW DIRECTION

NOTE: THE HISTORICAL MANUFACTURED GAS PLANT STRUCTURES ARE A COMPOSITE FROM SANBORN FIRE INSURANCE MAPS AND HISTORICAL AMERENIP SITE PLANS. THE EXACT LOCATIONS OF THE FEATURES ARE NOT KNOWN. STRUCTURES AND BUILDINGS MAY HAVE SERVED MULTIPLE PURPOSES DURING THE OPERATION OF THE PLANT.

SOURCE: THE SOURCE FOR THE PROPERTY BOUNDARY SURVEY IS VEGRZYN, SARVER AND ASSOCIATES.

0 80
FEET

COL. J:\624\02647B-023A

PSC

TITLE:
GROUNDWATER ELEVATION CONTOUR
SHALLOW GROUNDWATER SYSTEM
DECEMBER 2006

DWN: TMM	DES: MRC
CHKD:	APPD:
DATE: 06/26/08	REV:

PROJECT NO: 62403053
AMERENIP
CHAMPAIGN, ILLINOIS

FIGURE 2-3

LEGEND

- HISTORICAL MANUFACTURED GAS PLANT STRUCTURES (APPROXIMATE)
- FORMER GAS PLANT PIPING (APPROXIMATE)
- EXISTING STRUCTURES (APPROXIMATE)
- CURRENT AMERENIP PROPERTY BOUNDARY
- REMEDIATION SITE BOUNDARY
- FENCE
- UMW-300 710.99 — INTERMEDIATE GROUNDWATER MONITORING WELL WITH GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION

NOTE: THE HISTORICAL MANUFACTURED GAS PLANT STRUCTURES ARE A COMPOSITE FROM SANBORN FIRE INSURANCE MAPS AND HISTORICAL AMERENIP SITE PLANS. THE EXACT LOCATIONS OF THE FEATURES ARE NOT KNOWN. STRUCTURES AND BUILDINGS MAY HAVE SERVED MULTIPLE PURPOSES DURING THE OPERATION OF THE PLANT.

SOURCE: THE SOURCE FOR THE PROPERTY BOUNDARY SURVEY IS VEGRZYN, SARVER AND ASSOCIATES.

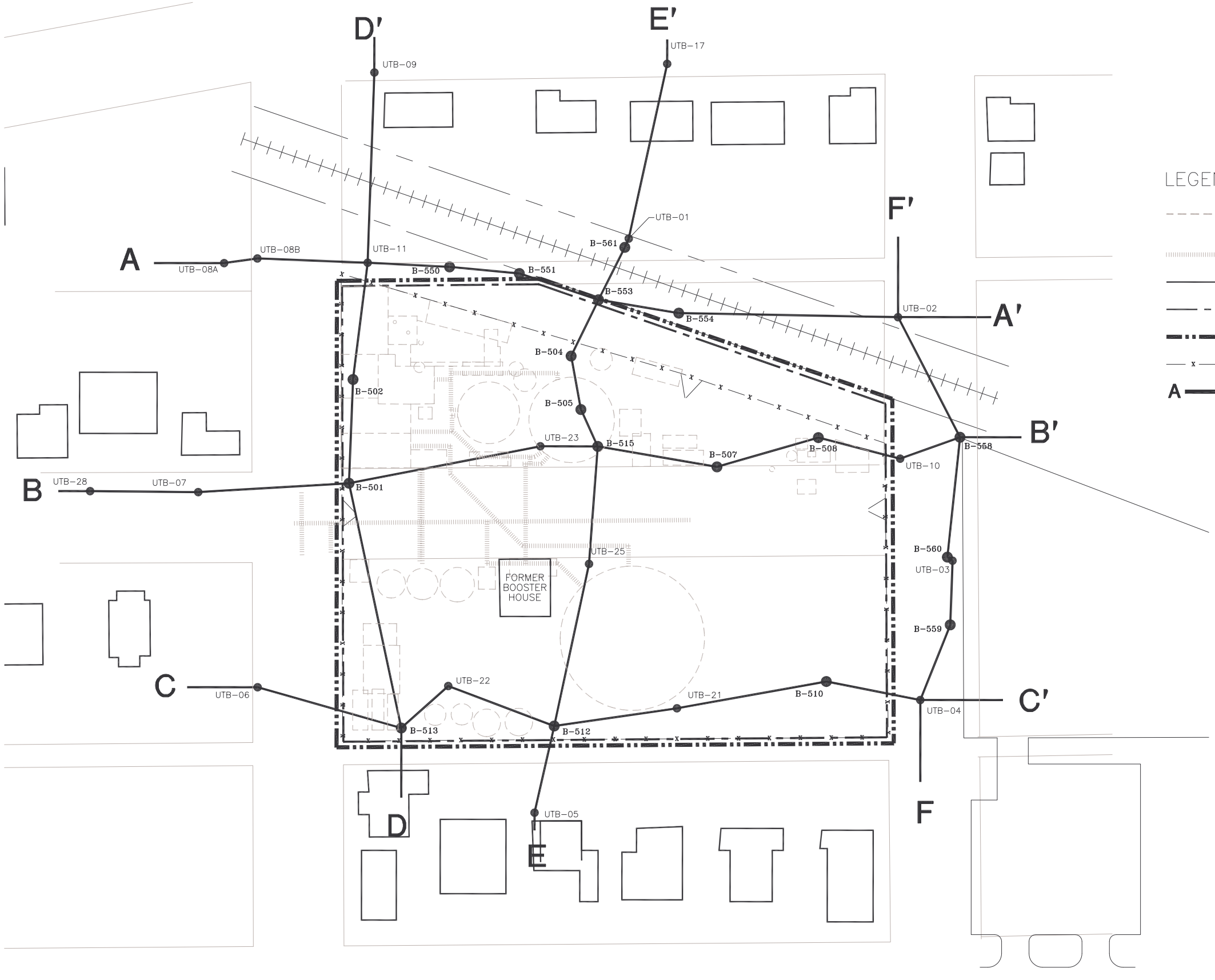
0 100
FEET
N

PSC

TITLE:
INTERMEDIATE DEPTH POTENTIOMETRIC SURFACE MAP
JULY 10, 2008

DWN: TMM	DES: MRC	PROJECT NO: 62403053
CHKD:	APPD:	AMERENIP CHAMPAIGN, ILLINOIS
DATE: 7/24/08	REV:	FIGURE 2-4

COL. J:\624\02647D-011



LEGEND

- HISTORICAL MANUFACTURED GAS PLANT STRUCTURES (APPROXIMATE)
- FORMER GAS PLANT PIPING (APPROXIMATE)
- EXISTING STRUCTURES (APPROXIMATE)
- CURRENT AMERENIP PROPERTY BOUNDARY
- REMEDIATION SITE BOUNDARY
- FENCE
- A — A' CROSS SECTION

PSC

TITLE:

SITE CROSS SECTION TRANSECT LOCATIONS

DWN: TMM	DES: JG
CHKD:	APPD:
DATE: 06/26/08	REV:

PROJECT NO: 62403053
AMERENIP
CHAMPAIGN, ILLINOIS

FIGURE 2-5

COL: J:\624\026478-004

WEST

A

EAST

A'

ELEVATION

740

730

720

710

700

UTB-08A

UTB-08B
UMW-108

UTB-11
UMW-401

B-550

B-551

B-553

B-554

RAIL ROAD

UTB-02
UMW-102

FILL

SILTY CLAY

SAND

TD=14'

TD=24'

TD=175'

TD=28'

TD=28'

TD=32'

TD=32'

TD=26.5'

LEGEND

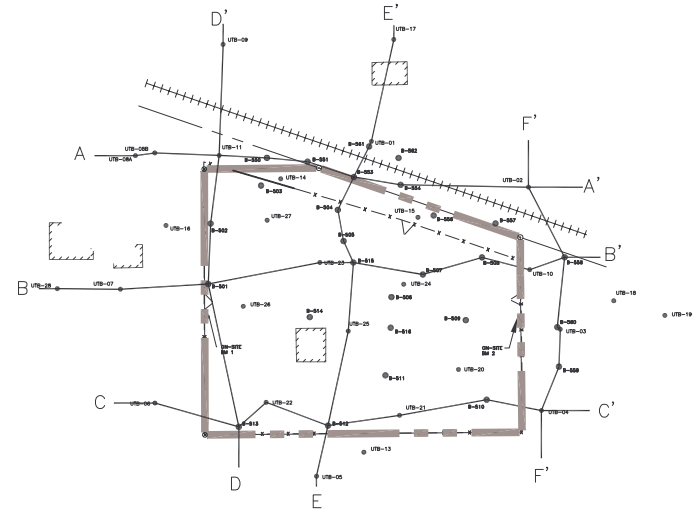
ANALYTICAL SAMPLE INTERVAL

MONITORED INTERVAL

GROUNDWATER LEVEL (7/26/04)

10 FOOT DEPTH

3.3 PID READING, ppm



HORIZONTAL SCALE IN FEET

0 60

0 6

VERTICAL SCALE IN FEET

COL2 IP-CHAMPAIGN\GEO\SECTIONS\Section AA - 004

PSC

TITLE:

WEST-EAST CROSS SECTION A-A'

DWN: TMM	DES: PTS	PROJECT NO: 62403053	
CHKD: JG	APPD:	AMEREN IP CHAMPAIGN, ILLINOIS	
DATE: 06/27/08	REV: 0	FIGURE 2-6	

WEST

B

EAST

B'

ELEVATION

740

730

720

710

700

UTB-28
UMW-116

UTB-07
UMW-107

5th STREET

PROPERTY LINE (FENCE)
B-501

UTB-23

HOLDER GH-2
B-515

B-507

B-508

PROPERTY LINE (FENCE)
UTB-10

B-558

FILL

SILTY CLAY

TD=20'

TD=20'

TD=24'

TD=28'

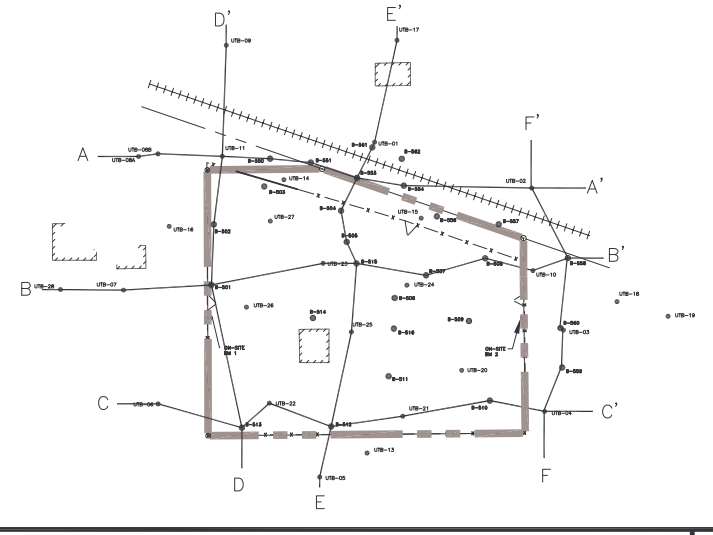
TD=32'

TD=28'

TD=28'

TD=22'

TD=28'



LEGEND

ANALYTICAL SAMPLE INTERVAL

MONITORED INTERVAL

GROUNDWATER LEVEL (7/26/04)

10 FOOT DEPTH

3.3 PID READING, ppm

HORIZONTAL SCALE IN FEET
0 60

VERTICAL SCALE IN FEET
0 6

COL2 IP-CHAMPAIGN\GEO\SECTIONS\Section CC - 004

PSC

TITLE:

WEST–EAST CROSS SECTION B–B'

DWN: TMM	DES: PTS
CHKD: JG	APPD:
DATE: 06/27/08	REV: 0

PROJECT NO: 62403053
AMERENIP
CHAMPAIGN, ILLINOIS

FIGURE 2–7

WEST
C

EAST
C'

ELEVATION

740

730

720

710

700

PROPERTY LINE (FENCE)

ABOVE GROUND OIL TANKS

OIL TANKS

PROPERTY LINE (FENCE)

UTB-06
UMW-106

B-513

UTB-22
UMW-115

B-512

UTB-21
UMW-114

B-510

UTB-04
UMW-104

FILL

SILTY CLAY

TD=24'

TD=24'

TD=23'

TD=24'

TD=23'

TD=28'

TD=23.5'

LEGEND

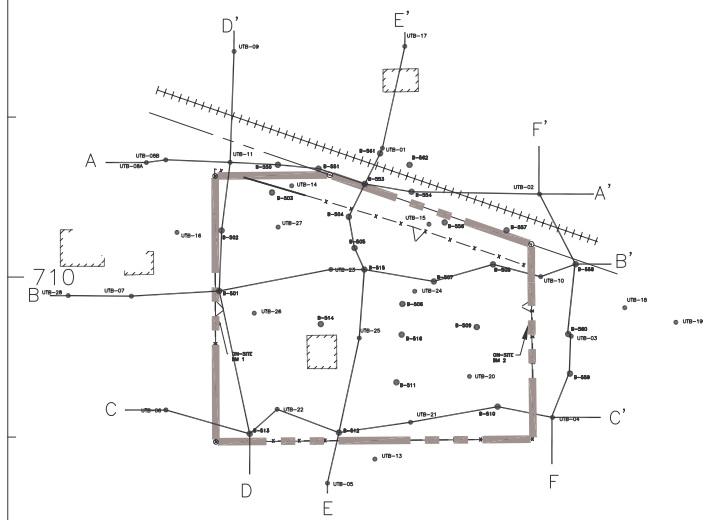
ANALYTICAL SAMPLE INTERVAL

MONITORED INTERVAL

GROUNDWATER LEVEL (7/26/04)

10 FOOT DEPTH

3.3 PID READING, ppm



HORIZONTAL SCALE IN FEET
0 60
0 6
VERTICAL SCALE IN FEET

PSC

TITLE:
WEST–EAST CROSS SECTION C–C'

DWN: TMM	DES: PTS
CHKD: JG	APPD:
DATE: 06/27/08	REV: 0

PROJECT NO: 62403053
AMERENIP
CHAMPAIGN, ILLINOIS

FIGURE 2–8

COL2 IP–CHAMPAIGN\GEO\SECTIONS\Section EE – 004

SOUTH

D

NORTH

D'

ELEVATION

740

730

720

710

700

PROPERTY LINE (FENCE)

B-513

OIL TANKS

B-501

MGP BUILDING

B-502

MGP BUILDING

PROPERTY LINE (FENCE)

UTB-11
UMW-401

RAILROAD

UTB-09
UMW-109

FILL

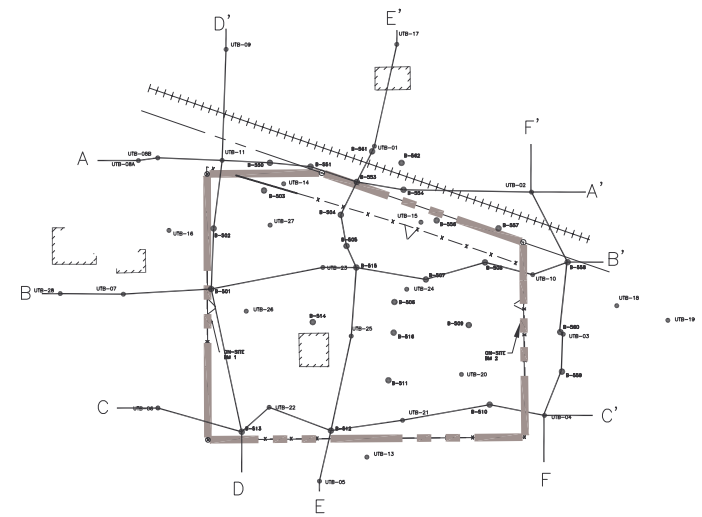
SILTY CLAY

SAND

	B-513	B-501	B-502	UTB-11 UMW-401	UTB-09 UMW-109
	3.9 FI	30.6 FI	3.4 FI	FI	FI
	4.4 FI	34.1	3.7 FI		
	3.7		4.6		
	11.0	16.8	10.6 FI		
	7.7	17.0	9.9 FI		
	5.4 CL	20.4	175		
	6.2	29.6	217 CL		
	420	5.8 CL	216		
	245 SC	2.8	21.6		
	178	30.8	115 SW		
	23.7	22.3	389		
	31.5	5.2	468		
	7.6 CL	47.6	397		
	8.3	238 SC	79.0		CL
	2.6	36.6	108		
	6.7 SP	13.2	65.2		
	4.5	2.8	42.1	CL	
	3.8	2.3	45.8 CL		
	8.0	1.8 CL	32.3		
	4.8	1.6	16.6		
	1.0 CL	1.5	12.7		
	7.1	1.6	10.7		
	5.2	1.4	9.5		
	5.0	TD=24'	10.2		TD=20'
	TD=24'		TD=24'		
				SP SAND	
				TD=175'	

LEGEND

- ANALYTICAL SAMPLE INTERVAL
- MONITORED INTERVAL
- GROUNDWATER LEVEL (7/26/04)
- 10 FOOT DEPTH
- 3.3 PID READING, ppm



HORIZONTAL SCALE IN FEET

0 60

0 6

VERTICAL SCALE IN FEET

PSC

TITLE:

SOUTH–NORTH CROSS SECTION D–D'

DWN:	DES:	PROJECT NO: 62403053
TMM	PTS	AMERENIP CHAMPAIGN, ILLINOIS
CHKD: JG	APPD:	
DATE: 06/27/08	REV: 0	FIGURE 2–9

COL2 IP–CHAMPAIGN\GEO\SECTIONS\Section FF – 004

SOUTH — NORTH

E — E'

ELEVATION

740
730
720
710
700

UTB-05 / UMW-105 — TD=20'

PROPERTY LINE (FENCE) / B-512 — TD=24'

HOLDER GH-3

UTB-25 — TD=28'

B-515 — TD=32'

B-505 — TD=28'

B-504 / FENCE LINE — TD=28'

PROPERTY LINE (FENCE) / B-553 — TD=32'

RAIL ROAD

B-561 / UTB-01 — TD=28'

HOUSE

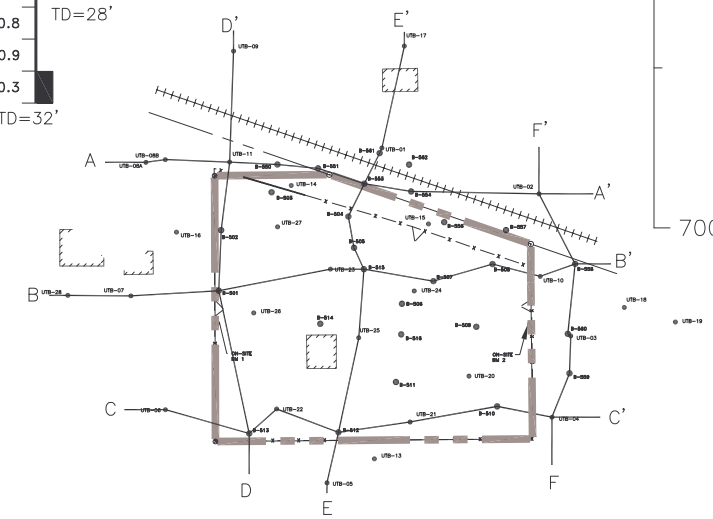
UTB-17 / UMW-111 — TD=22'

FILL

SILTY CLAY

LEGEND

- ANALYTICAL SAMPLE INTERVAL
- MONITORED INTERVAL
- GROUNDWATER LEVEL (7/26/04)
- 10 FOOT DEPTH
- 3.3 — PID READING, ppm

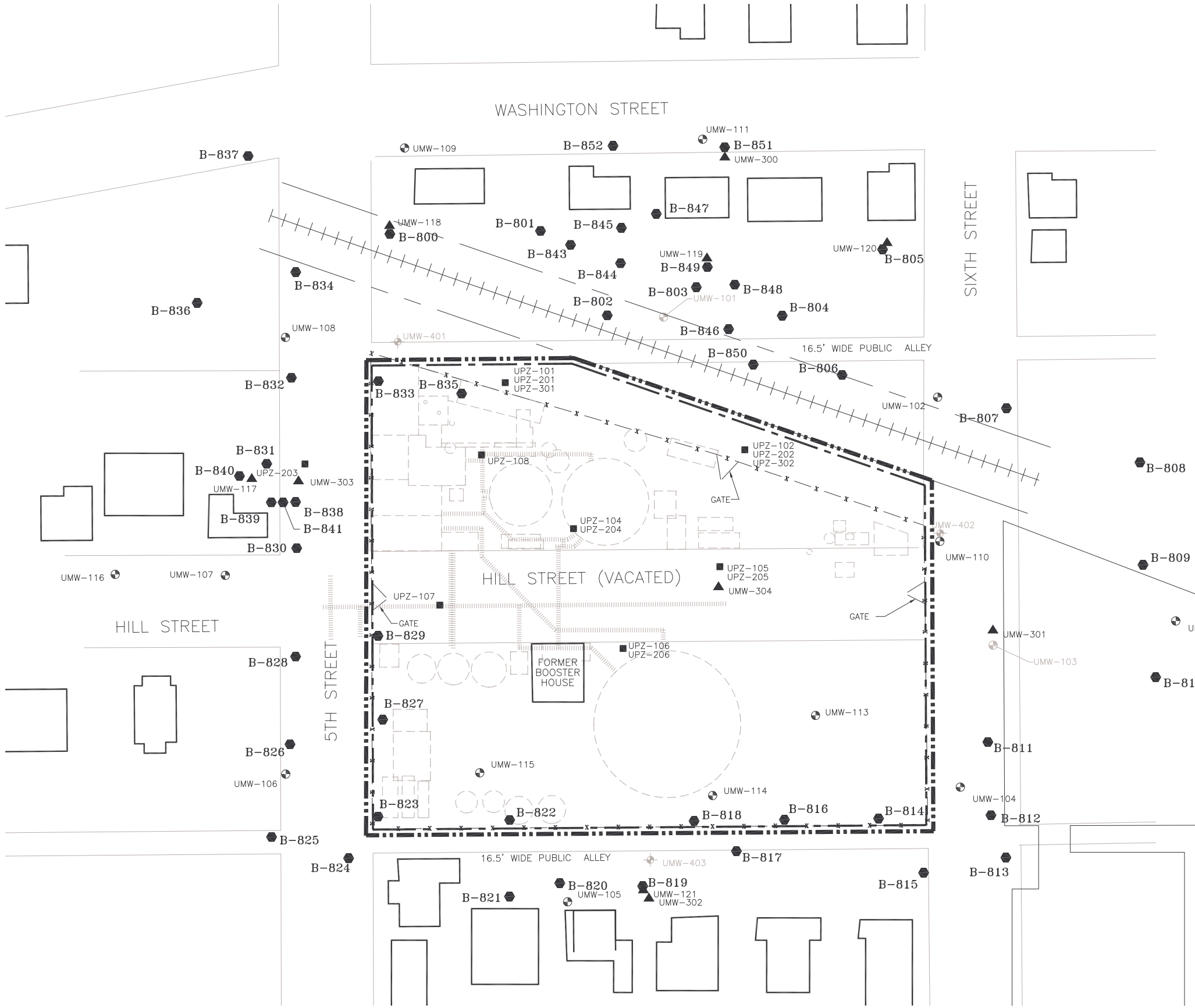


HORIZONTAL SCALE IN FEET
0 60
0 6
VERTICAL SCALE IN FEET

TITLE:
SOUTH—NORTH CROSS SECTION E—E'

DWN:	DES:	PROJECT NO: 62403053
TMM	PTS	AMERENIP CHAMPAIGN, ILLINOIS
CHKD: JG	APPD:	
DATE: 06/27/08	REV: 0	FIGURE 2—10

COL2 IP-CHAMPAIGN\GEO\SECTIONS\Section HH - 004



LEGEND

- HISTORICAL MANUFACTURED GAS PLANT STRUCTURES (APPROXIMATE)
- FORMER GAS PLANT PIPING (APPROXIMATE)
- EXISTING STRUCTURES (APPROXIMATE)
- CURRENT AMERENIP PROPERTY BOUNDARY
- REMEDIATION SITE BOUNDARY
- FENCE
- UPZ-102, UPZ-202, UPZ-302 — NESTED PIEZOMETERS (SHALLOW 5' TO 10', MEDIUM 20' TO 25', AND DEEP 30' TO 35') COMPLETED IN GLACIAL TILL
- UMW-113 — SHALLOW GROUNDWATER MONITORING WELLS (APPROXIMATELY 20') COMPLETED IN UPPER GLACIAL TILL (ACTIVELY MONITORED)
- UMW-401 — DEEP GROUNDWATER MONITORING WELLS (APPROXIMATELY 150') COMPLETED IN GLASFORD FORMATION
- UMW-401 — WELLS THAT HAVE BEEN ABANDONED
- UMW-118 — NEW WELL LOCATIONS (ACTIVELY MONITORED)
- B-800 — NEW BORING LOCATION

NOTE: THE HISTORICAL MANUFACTURED GAS PLANT STRUCTURES ARE A COMPOSITE FROM SANBORN FIRE INSURANCE MAPS AND HISTORICAL AMERENIP SITE PLANS. THE EXACT LOCATIONS OF THE FEATURES ARE NOT KNOWN. STRUCTURES AND BUILDINGS MAY HAVE SERVED MULTIPLE PURPOSES DURING THE OPERATION OF THE PLANT.

SOURCE: THE SOURCE FOR THE PROPERTY BOUNDARY SURVEY IS VEGRZYN, SARVER AND ASSOCIATES.

0 80
FEET

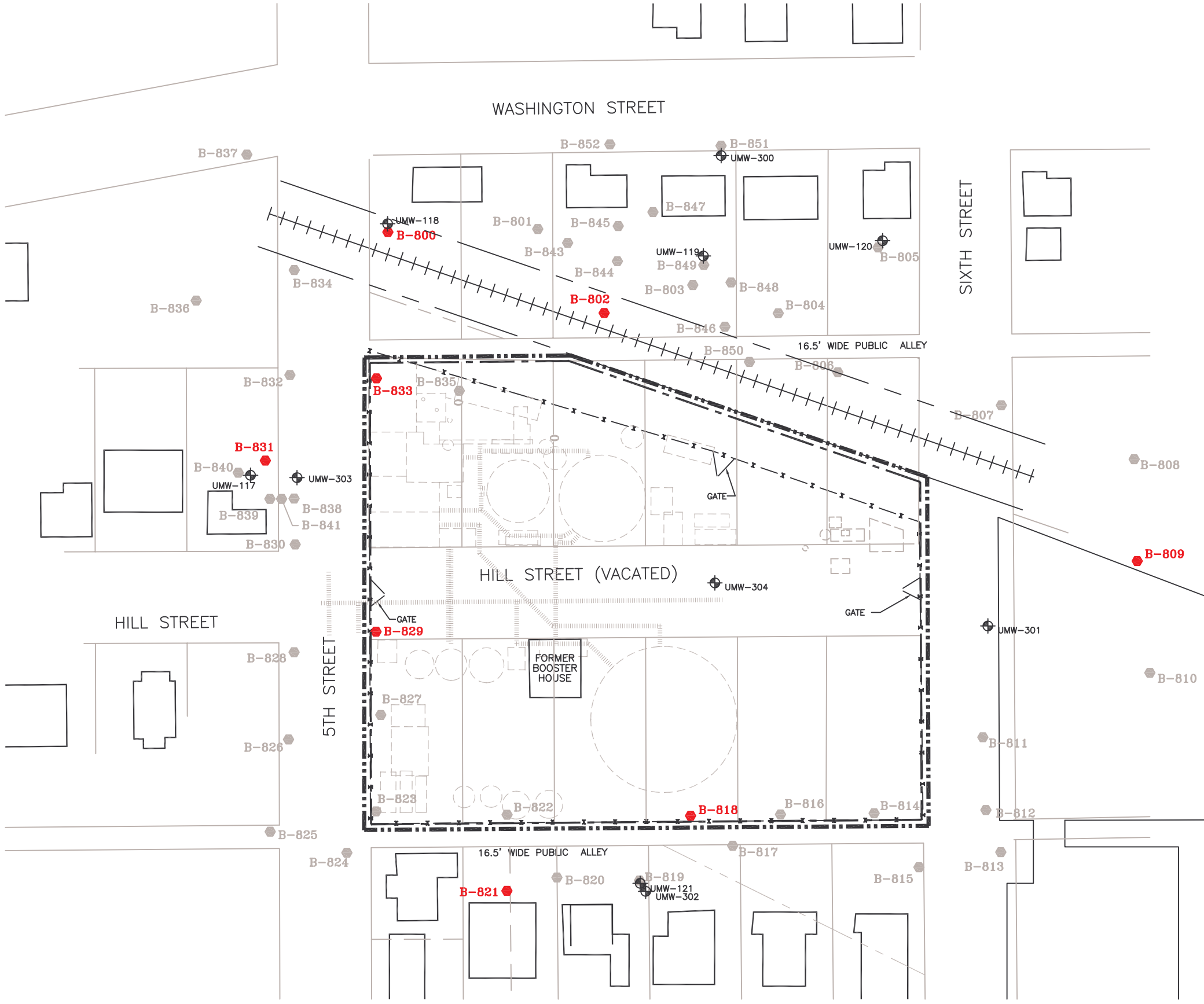
N

PSC

TITLE:
MONITORING WELL AND BORING LOCATIONS

DWN:	DES:	PROJECT NO: 62403053
TMM	MRC	AMERENIP CHAMPAIGN, ILLINOIS
CHKD:	APPD:	
DATE: 5/14/08	REV:	FIGURE 3-1

COL. J:\624\026478-038



LEGEND

- HISTORICAL MANUFACTURED GAS PLANT STRUCTURES (APPROXIMATE)
- FORMER GAS PLANT PIPING (APPROXIMATE)
- EXISTING STRUCTURES (APPROXIMATE)
- CURRENT AMERENIP PROPERTY BOUNDARY
- REMEDIATION SITE BOUNDARY
- FENCE
- B-800 2008 BOREHOLE LOCATIONS
- B-809 EXCEEDANCE OF AT LEAST ONE TIER 1 RO

NOTE: THE HISTORICAL MANUFACTURED GAS PLANT STRUCTURES ARE A COMPOSITE FROM SANBORN FIRE INSURANCE MAPS AND HISTORICAL AMERENIP SITE PLANS. THE EXACT LOCATIONS OF THE FEATURES ARE NOT KNOWN. STRUCTURES AND BUILDINGS MAY HAVE SERVED MULTIPLE PURPOSES DURING THE OPERATION OF THE PLANT.

SOURCE: THE SOURCE FOR THE PROPERTY BOUNDARY SURVEY IS VEGRZYN, SARVER AND ASSOCIATES.

0 80
FEET

N

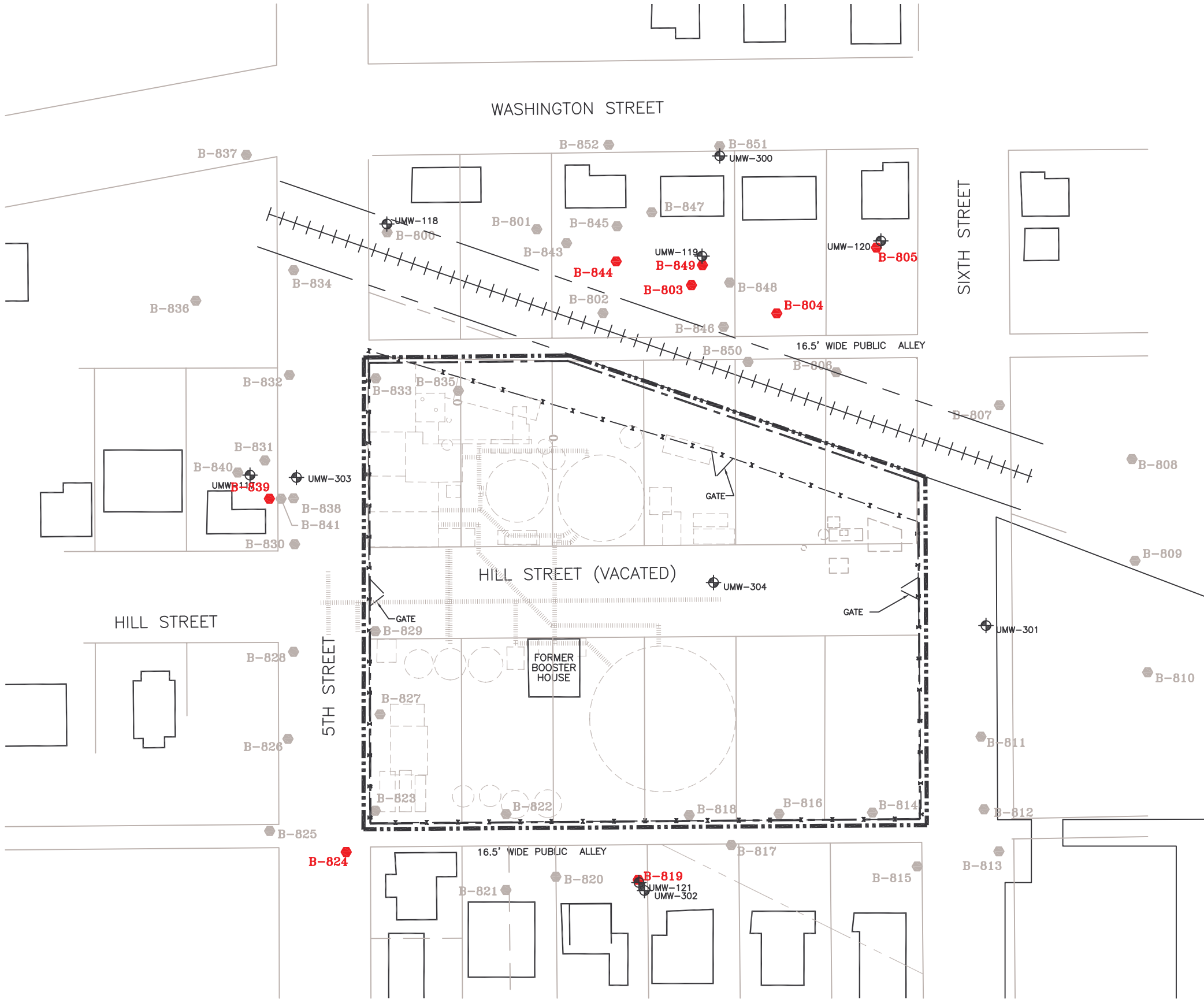
COL J:\624\02647D-003

PSC

TITLE:

TIER 1 EXCEEDANCES – 0.0 TO 3.0 FOOT DEPTH INTERVAL
BTEX AND PAHs

DWN: TMM	DES: MRC	PROJECT NO: 62403053	
CHKD:	APPD:	AMERENIP CHAMPAIGN, ILLINOIS	
DATE: 06/26/08	REV:	FIGURE 6–1	



LEGEND

- HISTORICAL MANUFACTURED GAS PLANT STRUCTURES (APPROXIMATE)
- FORMER GAS PLANT PIPING (APPROXIMATE)
- EXISTING STRUCTURES (APPROXIMATE)
- CURRENT AMERENIP PROPERTY BOUNDARY
- REMEDIATION SITE BOUNDARY
- FENCE
- B-800 2008 BOREHOLE LOCATIONS
- B-805 EXCEEDANCE OF AT LEAST ONE TIER 1 RO

NOTE: THE HISTORICAL MANUFACTURED GAS PLANT STRUCTURES ARE A COMPOSITE FROM SANBORN FIRE INSURANCE MAPS AND HISTORICAL AMERENIP SITE PLANS. THE EXACT LOCATIONS OF THE FEATURES ARE NOT KNOWN. STRUCTURES AND BUILDINGS MAY HAVE SERVED MULTIPLE PURPOSES DURING THE OPERATION OF THE PLANT.

SOURCE: THE SOURCE FOR THE PROPERTY BOUNDARY SURVEY IS VEGRZYN, SARVER AND ASSOCIATES.

0 80
FEET

N

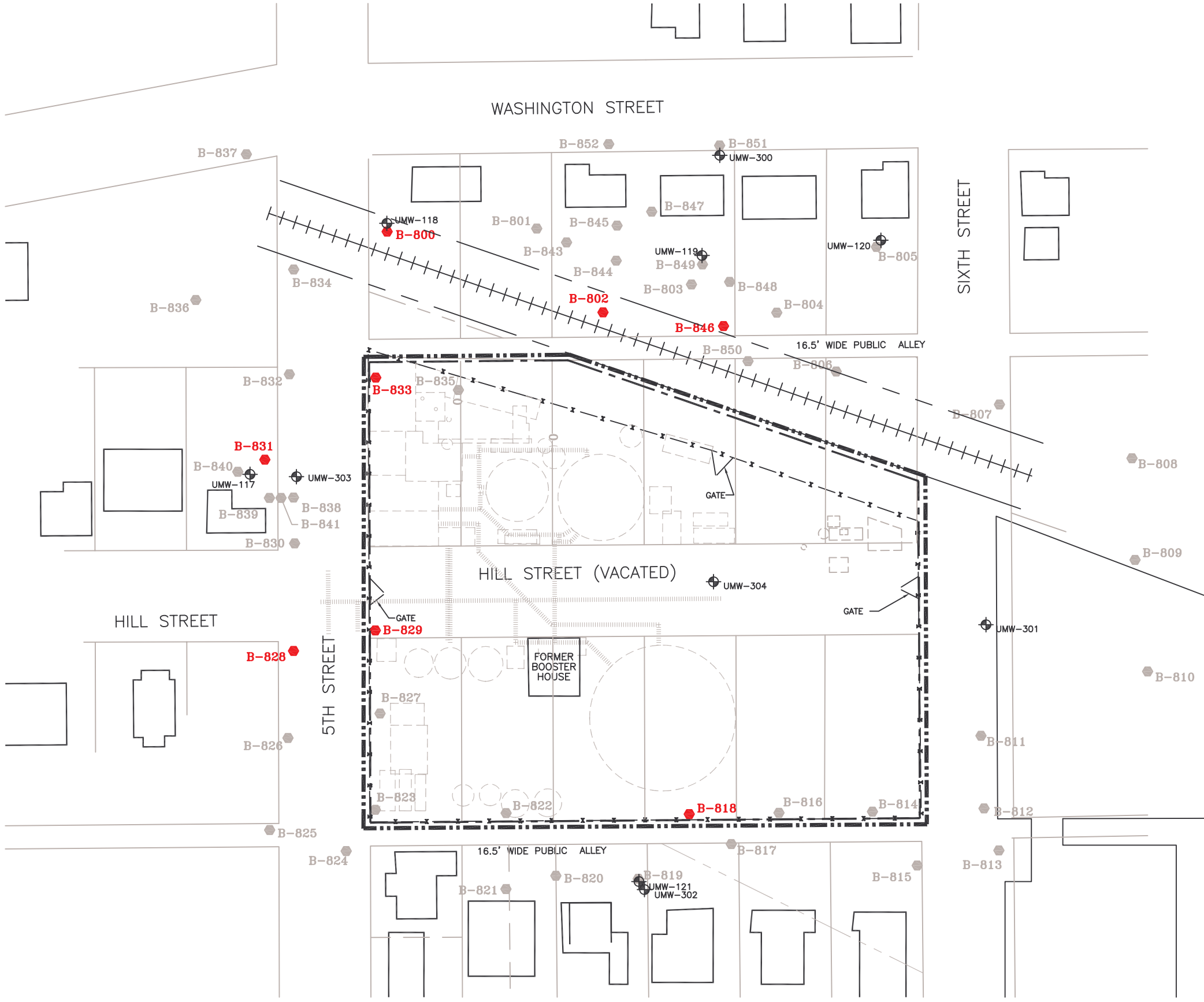
PSC

TITLE:

TIER 1 EXCEEDANCES – 0.0 TO 3.0 FOOT DEPTH INTERVAL METALS AND CYANIDE

DWN:	DES:	PROJECT NO: 62403053
TMM	MRC	AMERENIP
CHKD:	APPD:	CHAMPAIGN, ILLINOIS
DATE: 06/26/08	REV:	FIGURE 6–2

COL J:\624\02647D-004



LEGEND

- HISTORICAL MANUFACTURED GAS PLANT STRUCTURES (APPROXIMATE)
- FORMER GAS PLANT PIPING (APPROXIMATE)
- EXISTING STRUCTURES (APPROXIMATE)
- CURRENT AMERENIP PROPERTY BOUNDARY
- REMEDIATION SITE BOUNDARY
- FENCE
- B-800 — 2008 BOREHOLE LOCATIONS
- B-846 — EXCEEDANCE OF AT LEAST ONE TIER 1 RO

NOTE: THE HISTORICAL MANUFACTURED GAS PLANT STRUCTURES ARE A COMPOSITE FROM SANBORN FIRE INSURANCE MAPS AND HISTORICAL AMERENIP SITE PLANS. THE EXACT LOCATIONS OF THE FEATURES ARE NOT KNOWN. STRUCTURES AND BUILDINGS MAY HAVE SERVED MULTIPLE PURPOSES DURING THE OPERATION OF THE PLANT.

SOURCE: THE SOURCE FOR THE PROPERTY BOUNDARY SURVEY IS VEGRZYN, SARVER AND ASSOCIATES.

0 80
FEET

N

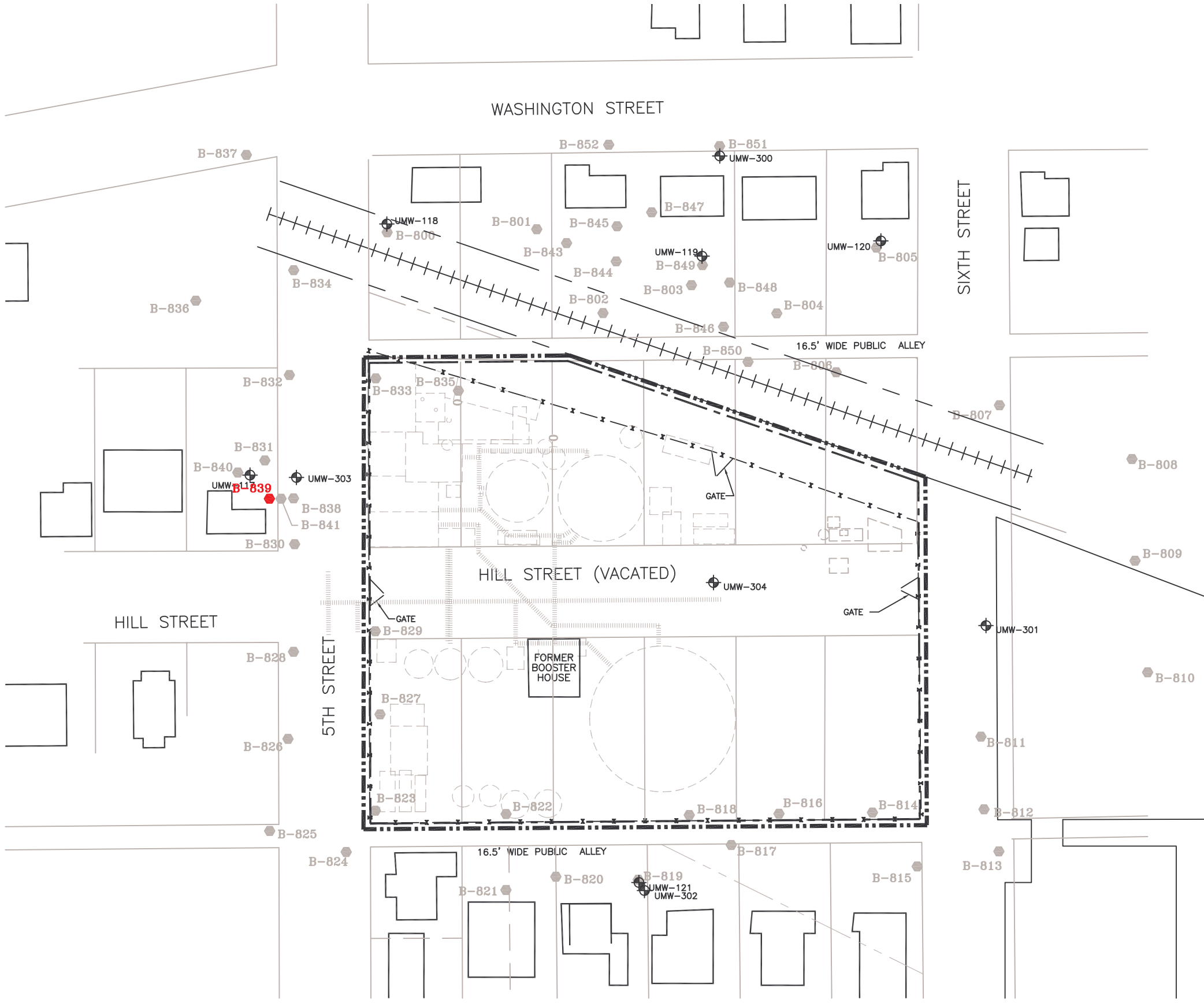
COL J:\624\02647D-005

PSC

TITLE:

TIER 1 EXCEEDANCES – 3.0 TO 10.0 FOOT DEPTH INTERVAL
BTEX AND PAHs

DWN: TMM	DES: MRC	PROJECT NO: 62403053	
CHKD:	APPD:	AMERENIP CHAMPAIGN, ILLINOIS	
DATE: 06/26/08	REV:	FIGURE 6–3	



LEGEND

- HISTORICAL MANUFACTURED GAS PLANT STRUCTURES (APPROXIMATE)
- FORMER GAS PLANT PIPING (APPROXIMATE)
- EXISTING STRUCTURES (APPROXIMATE)
- CURRENT AMERENIP PROPERTY BOUNDARY
- REMEDIATION SITE BOUNDARY
- FENCE
- B-800 2008 BOREHOLE LOCATIONS
- B-839 EXCEEDANCE OF AT LEAST ONE TIER 1 RO

NOTE: THE HISTORICAL MANUFACTURED GAS PLANT STRUCTURES ARE A COMPOSITE FROM SANBORN FIRE INSURANCE MAPS AND HISTORICAL AMERENIP SITE PLANS. THE EXACT LOCATIONS OF THE FEATURES ARE NOT KNOWN. STRUCTURES AND BUILDINGS MAY HAVE SERVED MULTIPLE PURPOSES DURING THE OPERATION OF THE PLANT.

SOURCE: THE SOURCE FOR THE PROPERTY BOUNDARY SURVEY IS VEGRZYN, SARVER AND ASSOCIATES.

0 80
FEET

N

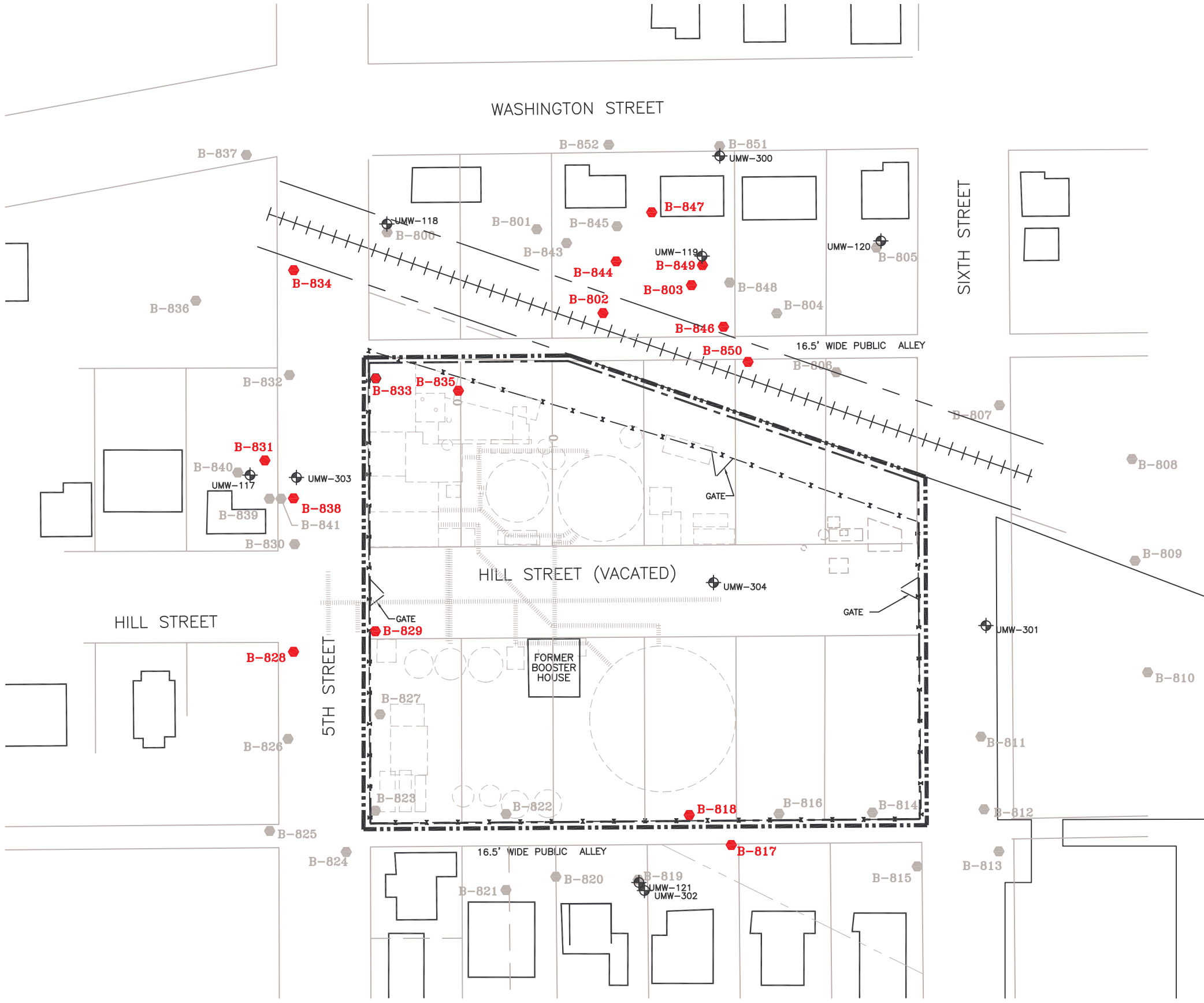
PSC

TITLE:

TIER 1 EXCEEDANCES – 3.0 TO 10.0 FOOT DEPTH INTERVAL
METALS AND CYANIDE

DWN: TMM	DES: MRC	PROJECT NO: 62403053
CHKD:	APPD:	AMERENIP CHAMPAIGN, ILLINOIS
DATE: 06/26/08	REV:	FIGURE 6–4

COL J:\624\02647D-006



LEGEND

- HISTORICAL MANUFACTURED GAS PLANT STRUCTURES (APPROXIMATE)
- FORMER GAS PLANT PIPING (APPROXIMATE)
- EXISTING STRUCTURES (APPROXIMATE)
- CURRENT AMERENIP PROPERTY BOUNDARY
- REMEDIATION SITE BOUNDARY
- FENCE
- B-800 — 2008 BOREHOLE LOCATIONS
- B-850 — EXCEEDANCE OF AT LEAST ONE TIER 1 RO

NOTE: THE HISTORICAL MANUFACTURED GAS PLANT STRUCTURES ARE A COMPOSITE FROM SANBORN FIRE INSURANCE MAPS AND HISTORICAL AMERENIP SITE PLANS. THE EXACT LOCATIONS OF THE FEATURES ARE NOT KNOWN. STRUCTURES AND BUILDINGS MAY HAVE SERVED MULTIPLE PURPOSES DURING THE OPERATION OF THE PLANT.

SOURCE: THE SOURCE FOR THE PROPERTY BOUNDARY SURVEY IS VEGRZYN, SARVER AND ASSOCIATES.

0 80
FEET

N

PSC

TITLE:

TIER 1 EXCEEDANCES – GREATER THAN 10.0 FOOT DEPTH INTERVAL
BTEX AND PAHs

DWN: TMM	DES: MRC	PROJECT NO: 62403053
CHKD:	APPD:	AMERENIP CHAMPAIGN, ILLINOIS
DATE: 06/26/08	REV:	FIGURE 6–5

COL J:\624\02647D-007

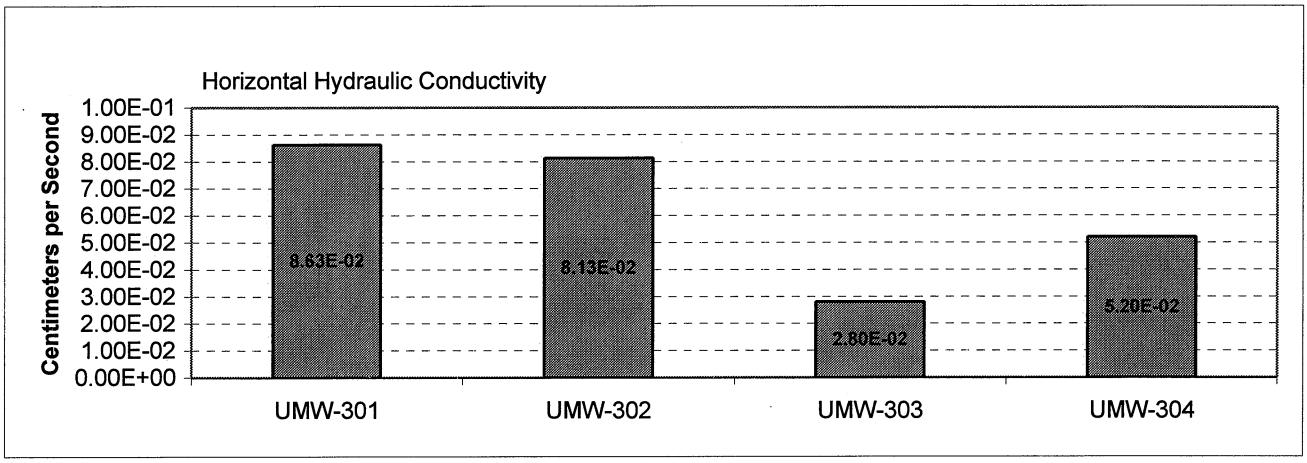
APPENDIX A

Hydraulic Conductivity Data Sheets

Hydraulic Conductivity Test Results for the Intermediate Sand Unit

Champaign FMGP Off-Site Investigation
Champaign, Illinois

Monitoring Well	Field Test Methods	Data Analysis Method	Hydraulic Conductivity cm/s	Hydraulic Conductivity ft/day
UMW-301	PVC slug	Bouwer and Rice (1976)	8.63E-02	244.6
UMW-302	PVC slug	Bouwer and Rice (1976)	8.13E-02	230.5
UMW-303	PVC slug	Bouwer and Rice (1976)	2.80E-02	79.4
UMW-304	PVC slug	Bouwer and Rice (1976)	5.20E-02	147.4
Geometric Mean Hydraulic Conductivity			**4.85E-02**	**137.5**



301slugin1.csv

Advanced Calibration Data		Cal Date	m2	m1	m0	b3	b2	b1	b0	
	Block 0	6/1/2007 10:40	1.00E-06	-2.40E-05	1.00326	-0.166016	8.80E-05	-3.71E-03	0.110421	
	Block 1	unknown	0	0	0	0	0	0	100	

Field Calibration Data		m	b	Cal Date
	Pressure	1	0	6/4/2007 14:58
	Temperature	1	0	unknown

SensorSN	2549026
Sensor Type	PT2X
Sensor Name	aquistar
Session Name	301slugin1
# Records	100

Statistical Data		Pressure(Ft H2O)	Temperature(degC)
	Sensor Range	50 psig	-40 - +125 degC
	Minimum	19.161	15
	Maximum	21.234	15.1
	Mean	19.316	15.1
	Variance	0.1333	0
	Std Deviation	0.365	0.03

Rec #	Date/Time		Pressure(Ft H2O)	Temperature(degC)		
1	10:57:02 AM		19.161	15		
2	10:57:03 AM		19.165	15		
3	10:57:04 AM		19.161	15		
4	10:57:05 AM		19.165	15		
5	10:57:06 AM		19.161	15		
6	10:57:07 AM		19.165	15		
7	10:57:08 AM		19.165	15		
8	10:57:09 AM		19.192	15		
9	10:57:10 AM		20.673	15.1		
10	10:57:11 AM	0	21.234	15.1	Displacement	
11	10:57:12 AM	1	21.136	15.1	2.073	1.4511
12	10:57:13 AM	2	20.17	15.1	1.975	19.7829
13	10:57:14 AM	3	20.135	15.1	1.009	
14	10:57:15 AM	4	19.964	15.1	0.974	
15	10:57:16 AM	5	19.897	15.1	0.803	
16	10:57:17 AM	6	19.812	15.1	0.736	
17	10:57:18 AM	7	19.741	15.1	0.651	
18	10:57:19 AM	8	19.679	15.1	0.58	
19	10:57:20 AM	9	19.621	15.1	0.518	
20	10:57:21 AM	10	19.57	15.1	0.46	
21	10:57:22 AM	11	19.527	15.1	0.409	
22	10:57:23 AM	12	19.488	15.1	0.366	
					0.327	

23	10:57:24 AM	13	19.453	15.1	0.292
24	10:57:25 AM	14	19.426	15.1	0.265
25	10:57:26 AM	15	19.399	15.1	0.238
26	10:57:27 AM	16	19.371	15.1	0.21
27	10:57:28 AM	17	19.348	15.1	0.187
28	10:57:29 AM	18	19.332	15.1	0.171
29	10:57:30 AM	19	19.313	15.1	0.152
30	10:57:31 AM	20	19.297	15.1	0.136
31	10:57:32 AM	21	19.286	15.1	
32	10:57:33 AM	22	19.274	15.1	
33	10:57:34 AM	23	19.262	15.1	
34	10:57:35 AM	24	19.251	15.1	
35	10:57:36 AM	25	19.243	15.1	
36	10:57:37 AM	26	19.235	15.1	
37	10:57:38 AM	27	19.227	15.1	
38	10:57:39 AM	28	19.223	15.1	
39	10:57:40 AM	29	19.215	15.1	
40	10:57:41 AM	30	19.211	15.1	
41	10:57:42 AM	31	19.204	15.1	
42	10:57:43 AM	32	19.204	15.1	
43	10:57:44 AM	33	19.2	15.1	
44	10:57:45 AM	34	19.196	15.1	
45	10:57:46 AM	35	19.192	15.1	
46	10:57:47 AM	36	19.188	15.1	
47	10:57:48 AM	37	19.188	15.1	
48	10:57:49 AM	38	19.184	15.1	
49	10:57:50 AM	39	19.184	15.1	
50	10:57:51 AM	40	19.18	15.1	
51	10:57:52 AM	41	19.18	15.1	
52	10:57:53 AM	42	19.176	15.1	
53	10:57:54 AM	43	19.176	15.1	
54	10:57:55 AM	44	19.176	15.1	
55	10:57:56 AM	45	19.172	15.1	
56	10:57:57 AM	46	19.172	15.1	
57	10:57:58 AM	47	19.172	15.1	
58	10:57:59 AM	48	19.172	15.1	
59	10:58:00 AM	49	19.172	15.1	
60	10:58:01 AM	50	19.169	15.1	
61	10:58:02 AM	51	19.169	15.1	
62	10:58:03 AM	52	19.169	15.1	
63	10:58:04 AM	53	19.169	15.1	

64	10:58:05 AM	54	19.169	15.1
65	10:58:06 AM	55	19.169	15.1
66	10:58:07 AM	56	19.169	15.1
67	10:58:08 AM	57	19.169	15.1
68	10:58:09 AM	58	19.165	15.1
69	10:58:10 AM	59	19.165	15.1
70	10:58:11 AM	60	19.169	15.1
71	10:58:12 AM	61	19.165	15.1
72	10:58:13 AM	62	19.165	15.1
73	10:58:14 AM	63	19.165	15.1
74	10:58:15 AM	64	19.165	15.1
75	10:58:16 AM	65	19.165	15.1
76	10:58:17 AM	66	19.165	15.1
77	10:58:18 AM	67	19.165	15.1
78	10:58:19 AM	68	19.165	15.1
79	10:58:20 AM	69	19.165	15.1
80	10:58:21 AM	70	19.165	15.1
81	10:58:22 AM	71	19.165	15.1
82	10:58:23 AM	72	19.165	15.1
83	10:58:24 AM	73	19.165	15.1
84	10:58:25 AM	74	19.165	15.1
85	10:58:26 AM	75	19.165	15.1
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87	10:58:28 AM	77	19.165	15.1
88	10:58:29 AM	78	19.165	15.1
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91	10:58:32 AM	81	19.165	15.1
92	10:58:33 AM	82	19.165	15.1
93	10:58:34 AM	83	19.161	15.1
94	10:58:35 AM	84	19.161	15.1
95	10:58:36 AM	85	19.161	15.1
96	10:58:37 AM	86	19.165	15.1
97	10:58:38 AM	87	19.165	15.1
98	10:58:39 AM	88	19.165	15.1
99	10:58:40 AM	89	19.165	15.1
100	10:58:41 AM	90	19.161	15.1

301slugin2.csv

Advanced Calibration Data		Cal Date	m2	m1	m0	b3	b2	b1	b0
	Block 0	6/1/2007 10:40	1.00E-06	-2.40E-05	1.00326	-0.166016	8.80E-05	-3.71E-03	0.110421
	Block 1	unknown	0	0	0	0	0	0	100

Field Calibration Data		m	b	Cal Date
	Pressure	1	0	6/4/2007 14:58
	Temperature	1	0	unknown

SensorSN	2549026
Sensor Type	PT2X
Sensor Name	aquistar
Session Name	301slugin2
# Records	100

Statistical Data		Pressure(Ft H2C	Temperature(degC)
	Sensor Range	50 psig	-40 - +125 degC
	Minimum	19.138	14.9
	Maximum	20.879	15.1
	Mean	19.229	15
	Variance	0.0661	0.01
	Std Deviation	0.2572	0.07

Rec #	Date/Time		Pressure(Ft H2C	Temperature(degC)		
1	11:01:41 AM		19.161	14.9		
2	11:01:42 AM		19.161	14.9		
3	11:01:43 AM		19.161	14.9		
4	11:01:44 AM		19.161	14.9		
5	11:01:45 AM		19.165	14.9		
6	11:01:46 AM		19.165	14.9		
7	11:01:47 AM		19.177	14.9		
8	11:01:48 AM		20.56	14.9		
9	11:01:49 AM	0	20.879	14.9	1.718	1.2026
10	11:01:50 AM	1	20.416	14.9	1.255	19.6764
11	11:01:51 AM	2	19.563	14.9	0.402	
12	11:01:52 AM	3	19.582	14.9	0.421	
13	11:01:53 AM	4	19.469	14.9	0.308	
14	11:01:54 AM	5	19.403	14.9	0.242	

15	11:01:55 AM	6	19.348	14.9	0.187
16	11:01:56 AM	7	19.309	14.9	0.148
17	11:01:57 AM	8	19.278	14.9	0.117
18	11:01:58 AM	9	19.255	14.9	0.094
19	11:01:59 AM	10	19.235	14.9	0.074
20	11:02:00 AM	11	19.224	14.9	0.063
21	11:02:01 AM	12	19.212	14.9	0.051
22	11:02:02 AM	13	19.204	14.9	0.043
23	11:02:03 AM	14	19.196	14.9	0.035
24	11:02:04 AM	15	19.189	14.9	0.028
25	11:02:05 AM	16	19.185	14.9	0.024
26	11:02:06 AM		19.184	15	
27	11:02:07 AM		19.177	14.9	
28	11:02:08 AM		19.177	15	
29	11:02:09 AM		19.173	15	
30	11:02:10 AM		19.173	14.9	
31	11:02:11 AM		19.169	15	
32	11:02:12 AM		19.169	15	
33	11:02:13 AM		19.169	15	
34	11:02:14 AM		19.169	15	
35	11:02:15 AM		19.169	15	
36	11:02:16 AM		19.169	15	
37	11:02:17 AM		19.165	15	
38	11:02:18 AM		19.165	15	
39	11:02:19 AM		19.165	15	
40	11:02:20 AM		19.165	15	
41	11:02:21 AM		19.165	15	
42	11:02:22 AM		19.165	15	
43	11:02:23 AM		19.165	15	
44	11:02:24 AM		19.157	15	
45	11:02:25 AM		19.165	15	
46	11:02:26 AM		19.165	15	
47	11:02:27 AM		19.165	15	
48	11:02:28 AM		19.165	15	
49	11:02:29 AM		19.165	15	
50	11:02:30 AM		19.161	15	
51	11:02:31 AM		19.165	15	

52	11:02:32 AM	19.165	15
53	11:02:33 AM	19.165	15
54	11:02:34 AM	19.165	15
55	11:02:35 AM	19.165	15
56	11:02:36 AM	19.165	15
57	11:02:37 AM	19.161	15
58	11:02:38 AM	19.161	15
59	11:02:39 AM	19.165	15
60	11:02:40 AM	19.161	15
61	11:02:41 AM	19.165	15
62	11:02:42 AM	19.165	15
63	11:02:43 AM	19.165	15
64	11:02:44 AM	19.165	15
65	11:02:45 AM	19.161	15
66	11:02:46 AM	19.161	15
67	11:02:47 AM	19.161	15.1
68	11:02:48 AM	19.161	15.1
69	11:02:49 AM	19.161	15
70	11:02:50 AM	19.161	15
71	11:02:51 AM	19.161	15
72	11:02:52 AM	19.161	15
73	11:02:53 AM	19.138	15
74	11:02:54 AM	19.157	15.1
75	11:02:55 AM	19.161	15
76	11:02:56 AM	19.161	15.1
77	11:02:57 AM	19.161	15
78	11:02:58 AM	19.161	15.1
79	11:02:59 AM	19.161	15.1
80	11:03:00 AM	19.161	15.1
81	11:03:01 AM	19.161	15.1
82	11:03:02 AM	19.161	15.1
83	11:03:03 AM	19.161	15
84	11:03:04 AM	19.161	15.1
85	11:03:05 AM	19.161	15.1
86	11:03:06 AM	19.161	15.1
87	11:03:07 AM	19.153	15.1
88	11:03:08 AM	19.157	15.1

89	11:03:09 AM	19.161	15.1
90	11:03:10 AM	19.161	15.1
91	11:03:11 AM	19.161	15.1
92	11:03:12 AM	19.161	15.1
93	11:03:13 AM	19.161	15.1
94	11:03:14 AM	19.161	15.1
95	11:03:15 AM	19.161	15
96	11:03:16 AM	19.149	15.1
97	11:03:17 AM	19.161	15.1
98	11:03:18 AM	19.161	15.1
99	11:03:19 AM	19.161	15.1
100	11:03:20 AM	19.161	15.1

301slugout1.csv

Advanced Calibration Data		Cal Date	m2	m1	m0	b3	b2	b1	b0
	Block 0	6/1/2007 10:40	1.00E-06	-2.40E-05	1.00326	-0.166016	8.80E-05	-3.71E-03	0.110421
	Block 1	unknown	0	0	0	0	0	0	100

Field Calibration Data		m	b	Cal Date
	Pressure	1	0	6/4/2007 14:58
	Temperature	1	0	unknown

SensorSN	2549026
Sensor Type	PT2X
Sensor Name	aquistar
Session Name	301slugout1
# Records	100

Statistical Data		Pressure(Ft H2O)	Temperature(degC)
	Sensor Range	50 psig	-40 - +125 degC
	Minimum	17.988	14.9
	Maximum	19.165	15.1
	Mean	19.124	15.1
	Variance	0.0247	0
	Std Deviation	0.1573	0.05

Rec #	Date/Time		Pressure(Ft H2O)	Temperature(degC)		
1	10:59:17 AM		19.161	14.9		
2	10:59:18 AM		19.161	14.9		
3	10:59:19 AM		18.951	14.9		
4	10:59:20 AM		18.471	15		
5	10:59:21 AM	0	17.988	15	1.173	0.8211
6	10:59:22 AM	1	18.433	15	0.728	0.3519
7	10:59:23 AM	2	18.803	15	0.358	
8	10:59:24 AM	3	18.97	15	0.191	
9	10:59:25 AM	4	19.048	15	0.113	
10	10:59:26 AM	5	19.091	15	0.07	
11	10:59:27 AM	6	19.114	15	0.047	
12	10:59:28 AM	7	19.13	15	0.031	
13	10:59:29 AM	8	19.138	15	0.023	

14	10:59:30 AM	9	19.142	15	0.019
15	10:59:31 AM	10	19.146	15	0.015
16	10:59:32 AM	11	19.149	15	0.012
17	10:59:33 AM	12	19.153	15	0.008
18	10:59:34 AM	13	19.153	15	0.008
19	10:59:35 AM	14	19.153	15	0.008
20	10:59:36 AM	15	19.157	15	0.004
21	10:59:37 AM		19.157	15	
22	10:59:38 AM		19.157	15	
23	10:59:39 AM		19.157	15	
24	10:59:40 AM		19.157	15.1	
25	10:59:41 AM		19.157	15	
26	10:59:42 AM		19.157	15.1	
27	10:59:43 AM		19.157	15	
28	10:59:44 AM		19.157	15	
29	10:59:45 AM		19.157	15.1	
30	10:59:46 AM		19.161	15.1	
31	10:59:47 AM		19.161	15.1	
32	10:59:48 AM		19.161	15.1	
33	10:59:49 AM		19.161	15.1	
34	10:59:50 AM		19.161	15.1	
35	10:59:51 AM		19.161	15.1	
36	10:59:52 AM		19.161	15.1	
37	10:59:53 AM		19.161	15.1	
38	10:59:54 AM		19.161	15.1	
39	10:59:55 AM		19.161	15.1	
40	10:59:56 AM		19.161	15.1	
41	10:59:57 AM		19.161	15.1	
42	10:59:58 AM		19.161	15.1	
43	10:59:59 AM		19.161	15.1	
44	11:00:00 AM		19.161	15.1	
45	11:00:01 AM		19.161	15.1	
46	11:00:02 AM		19.161	15.1	
47	11:00:03 AM		19.161	15.1	
48	11:00:04 AM		19.161	15.1	
49	11:00:05 AM		19.161	15.1	
50	11:00:06 AM		19.161	15.1	

51	11:00:07 AM	19.161	15.1
52	11:00:08 AM	19.161	15.1
53	11:00:09 AM	19.161	15.1
54	11:00:10 AM	19.161	15.1
55	11:00:11 AM	19.161	15.1
56	11:00:12 AM	19.161	15.1
57	11:00:13 AM	19.161	15.1
58	11:00:14 AM	19.161	15.1
59	11:00:15 AM	19.161	15.1
60	11:00:16 AM	19.161	15.1
61	11:00:17 AM	19.161	15.1
62	11:00:18 AM	19.161	15.1
63	11:00:19 AM	19.161	15.1
64	11:00:20 AM	19.161	15.1
65	11:00:21 AM	19.161	15.1
66	11:00:22 AM	19.161	15.1
67	11:00:23 AM	19.165	15.1
68	11:00:24 AM	19.161	15.1
69	11:00:25 AM	19.161	15.1
70	11:00:26 AM	19.161	15.1
71	11:00:27 AM	19.161	15.1
72	11:00:28 AM	19.161	15.1
73	11:00:29 AM	19.161	15.1
74	11:00:30 AM	19.161	15.1
75	11:00:31 AM	19.161	15.1
76	11:00:32 AM	19.161	15.1
77	11:00:33 AM	19.161	15.1
78	11:00:34 AM	19.161	15.1
79	11:00:35 AM	19.161	15.1
80	11:00:36 AM	19.161	15.1
81	11:00:37 AM	19.161	15.1
82	11:00:38 AM	19.161	15.1
83	11:00:39 AM	19.161	15.1
84	11:00:40 AM	19.161	15.1
85	11:00:41 AM	19.161	15.1
86	11:00:42 AM	19.161	15.1
87	11:00:43 AM	19.161	15.1

88	11:00:44 AM	19.161	15.1
89	11:00:45 AM	19.161	15.1
90	11:00:46 AM	19.161	15.1
91	11:00:47 AM	19.161	15.1
92	11:00:48 AM	19.161	15.1
93	11:00:49 AM	19.161	15.1
94	11:00:50 AM	19.161	15.1
95	11:00:51 AM	19.161	15.1
96	11:00:52 AM	19.161	15.1
97	11:00:53 AM	19.165	15.1
98	11:00:54 AM	19.161	15.1
99	11:00:55 AM	19.161	15.1
100	11:00:56 AM	19.161	15.1

301slugout2.csv

Advanced Calibration Data		Cal Date	m2	m1	m0	b3	b2	b1	b0
	Block 0	6/1/2007 10:40	1.00E-06	-2.40E-05	1.00326	-0.166016	8.80E-05	-3.71E-03	0.110421
	Block 1	unknown	0	0	0	0	0	0	100

Field Calibration Data		m	b	Cal Date
	Pressure	1	0	6/4/2007 14:58
	Temperature	1	0	unknown

SensorSN	2549026
Sensor Type	PT2X
Sensor Name	aquistar
Session Name	301slugout2
# Records	100

Statistical Data		Pressure(Ft H2O)	Temperature(degC)
	Sensor Range	50 psig	-40 - +125 degC
	Minimum	18.02	14.8
	Maximum	19.162	15
	Mean	19.128	15
	Variance	0.0232	0
	Std Deviation	0.1523	0.05

Rec #	Date/Time		Pressure(Ft H2O)	Temperature(degC)		
1	11:04:14 AM		19.162	14.8		
2	11:04:15 AM		19.162	14.8		
3	11:04:16 AM		18.947	14.9		
4	11:04:17 AM		18.3	14.9		
5	11:04:18 AM	0	18.02	14.9	1.142	0.76514
6	11:04:19 AM	1	18.643	14.9	0.519	0.37686
7	11:04:20 AM	2	18.928	14.9	0.234	
8	11:04:21 AM	3	19.045	14.9	0.117	
9	11:04:22 AM	4	19.103	14.9	0.059	
10	11:04:23 AM	5	19.119	14.9	0.043	
11	11:04:24 AM	6	19.134	14.9	0.028	
12	11:04:25 AM	7	19.142	14.9	0.02	
13	11:04:26 AM	8	19.146	14.9	0.016	

14	11:04:27 AM	9	19.15	14.9	0.012
15	11:04:28 AM		19.154	14.9	
16	11:04:29 AM		19.153	14.9	
17	11:04:30 AM		19.153	14.9	
18	11:04:31 AM		19.153	14.9	
19	11:04:32 AM		19.157	14.9	
20	11:04:33 AM		19.157	14.9	
21	11:04:34 AM		19.157	14.9	
22	11:04:35 AM		19.157	14.9	
23	11:04:36 AM		19.157	14.9	
24	11:04:37 AM		19.157	14.9	
25	11:04:38 AM		19.157	14.9	
26	11:04:39 AM		19.157	14.9	
27	11:04:40 AM		19.157	14.9	
28	11:04:41 AM		19.157	14.9	
29	11:04:42 AM		19.161	14.9	
30	11:04:43 AM		19.157	14.9	
31	11:04:44 AM		19.157	15	
32	11:04:45 AM		19.161	14.9	
33	11:04:46 AM		19.157	15	
34	11:04:47 AM		19.161	14.9	
35	11:04:48 AM		19.161	14.9	
36	11:04:49 AM		19.161	14.9	
37	11:04:50 AM		19.161	14.9	
38	11:04:51 AM		19.161	14.9	
39	11:04:52 AM		19.161	14.9	
40	11:04:53 AM		19.161	15	
41	11:04:54 AM		19.161	15	
42	11:04:55 AM		19.161	14.9	
43	11:04:56 AM		19.161	15	
44	11:04:57 AM		19.161	15	
45	11:04:58 AM		19.161	14.9	
46	11:04:59 AM		19.161	15	
47	11:05:00 AM		19.161	15	
48	11:05:01 AM		19.161	15	
49	11:05:02 AM		19.161	15	
50	11:05:03 AM		19.161	15	

51	11:05:04 AM	19.161	15
52	11:05:05 AM	19.161	15
53	11:05:06 AM	19.161	15
54	11:05:07 AM	19.161	15
55	11:05:08 AM	19.161	15
56	11:05:09 AM	19.161	15
57	11:05:10 AM	19.161	15
58	11:05:11 AM	19.161	15
59	11:05:12 AM	19.161	15
60	11:05:13 AM	19.161	15
61	11:05:14 AM	19.161	15
62	11:05:15 AM	19.161	15
63	11:05:16 AM	19.161	15
64	11:05:17 AM	19.161	15
65	11:05:18 AM	19.161	15
66	11:05:19 AM	19.161	15
67	11:05:20 AM	19.157	15
68	11:05:21 AM	19.161	15
69	11:05:22 AM	19.161	15
70	11:05:23 AM	19.161	15
71	11:05:24 AM	19.161	15
72	11:05:25 AM	19.161	15
73	11:05:26 AM	19.161	15
74	11:05:27 AM	19.161	15
75	11:05:28 AM	19.161	15
76	11:05:29 AM	19.161	15
77	11:05:30 AM	19.161	15
78	11:05:31 AM	19.161	15
79	11:05:32 AM	19.161	15
80	11:05:33 AM	19.161	15
81	11:05:34 AM	19.161	15
82	11:05:35 AM	19.161	15
83	11:05:36 AM	19.161	15
84	11:05:37 AM	19.161	15
85	11:05:38 AM	19.161	15
86	11:05:39 AM	19.161	15
87	11:05:40 AM	19.161	15

88	11:05:41 AM	19.161	15
89	11:05:42 AM	19.161	15
90	11:05:43 AM	19.161	15
91	11:05:44 AM	19.161	15
92	11:05:45 AM	19.161	15
93	11:05:46 AM	19.161	15
94	11:05:47 AM	19.161	15
95	11:05:48 AM	19.161	15
96	11:05:49 AM	19.161	15
97	11:05:50 AM	19.161	15
98	11:05:51 AM	19.161	15
99	11:05:52 AM	19.161	15
100	11:05:53 AM	19.161	15

302slugin1.csv

Advanced Calibration Data		Cal Date	m2	m1	m0	b3	b2	b1	b0
	Block 0	6/1/2007 10:40	1.00E-06	-2.40E-05	1.00326	-0.166016	8.80E-05	-3.71E-03	0.110421
	Block 1	unknown	0	0	0	0	0	0	100

Field Calibration Data		m	b	Cal Date
	Pressure	1	0	6/4/2007 14:58
	Temperature	1	0	unknown

SensorSN	2549026
Sensor Type	PT2X
Sensor Name	aquistar
Session Name	302slugin1
# Records	100

Statistical Data		Pressure(Ft H2O)	Temperature(degC)
	Sensor Range	50 psig	-40 - +125 degC
	Minimum	16.571	14.5
	Maximum	18.192	14.8
	Mean	16.639	14.7
	Variance	0.0609	0.01
	Std Deviation	0.2467	0.09

Rec #	Date/Time		Pressure(Ft H2O)	Temperature(degC)		
1	9:18:57 AM		16.903	14.5		
2	9:18:58 AM	0	18.192	14.5	1.621	1.08607
3	9:18:59 AM	1	18.184	14.6	1.613	17.11
4	9:19:00 AM	2	17.315	14.6	0.744	
5	9:19:01 AM	3	17.14	14.6	0.569	
6	9:19:02 AM	4	16.965	14.6	0.394	
7	9:19:03 AM	5	16.856	14.6	0.285	
8	9:19:04 AM	6	16.778	14.6	0.207	
9	9:19:05 AM	7	16.719	14.6	0.148	
10	9:19:06 AM	8	16.68	14.6	0.109	
11	9:19:07 AM	9	16.653	14.6	0.082	
12	9:19:08 AM	10	16.634	14.6	0.063	
13	9:19:09 AM	11	16.618	14.6	0.047	
14	9:19:10 AM	12	16.606	14.6	0.035	

15	9:19:11 AM	13	16.598	14.6	0.027
16	9:19:12 AM	14	16.595	14.6	0.024
17	9:19:13 AM	15	16.591	14.6	0.02
18	9:19:14 AM		16.587	14.6	
19	9:19:15 AM		16.587	14.6	
20	9:19:16 AM		16.587	14.6	
21	9:19:17 AM		16.583	14.6	
22	9:19:18 AM		16.583	14.6	
23	9:19:19 AM		16.583	14.6	
24	9:19:20 AM		16.583	14.6	
25	9:19:21 AM		16.579	14.6	
26	9:19:22 AM		16.579	14.6	
27	9:19:23 AM		16.579	14.7	
28	9:19:24 AM		16.579	14.7	
29	9:19:25 AM		16.579	14.7	
30	9:19:26 AM		16.579	14.7	
31	9:19:27 AM		16.579	14.7	
32	9:19:28 AM		16.579	14.7	
33	9:19:29 AM		16.579	14.7	
34	9:19:30 AM		16.579	14.7	
35	9:19:31 AM		16.579	14.7	
36	9:19:32 AM		16.579	14.7	
37	9:19:33 AM		16.579	14.7	
38	9:19:34 AM		16.579	14.7	
39	9:19:35 AM		16.579	14.7	
40	9:19:36 AM		16.575	14.7	
41	9:19:37 AM		16.579	14.7	
42	9:19:38 AM		16.579	14.7	
43	9:19:39 AM		16.579	14.7	
44	9:19:40 AM		16.575	14.8	
45	9:19:41 AM		16.579	14.7	
46	9:19:42 AM		16.575	14.8	
47	9:19:43 AM		16.575	14.8	
48	9:19:44 AM		16.575	14.8	
49	9:19:45 AM		16.575	14.8	
50	9:19:46 AM		16.575	14.8	
51	9:19:47 AM		16.575	14.8	
52	9:19:48 AM		16.575	14.8	

53	9:19:49 AM	16.575	14.8
54	9:19:50 AM	16.575	14.8
55	9:19:51 AM	16.575	14.8
56	9:19:52 AM	16.575	14.8
57	9:19:53 AM	16.579	14.8
58	9:19:54 AM	16.571	14.8
59	9:19:55 AM	16.575	14.8
60	9:19:56 AM	16.579	14.8
61	9:19:57 AM	16.575	14.8
62	9:19:58 AM	16.575	14.8
63	9:19:59 AM	16.575	14.8
64	9:20:00 AM	16.575	14.8
65	9:20:01 AM	16.575	14.8
66	9:20:02 AM	16.575	14.8
67	9:20:03 AM	16.575	14.8
68	9:20:04 AM	16.579	14.8
69	9:20:05 AM	16.575	14.8
70	9:20:06 AM	16.579	14.8
71	9:20:07 AM	16.575	14.8
72	9:20:08 AM	16.575	14.8
73	9:20:09 AM	16.575	14.8
74	9:20:10 AM	16.575	14.8
75	9:20:11 AM	16.575	14.8
76	9:20:12 AM	16.575	14.8
77	9:20:13 AM	16.575	14.8
78	9:20:14 AM	16.575	14.8
79	9:20:15 AM	16.575	14.8
80	9:20:16 AM	16.575	14.8
81	9:20:17 AM	16.575	14.8
82	9:20:18 AM	16.575	14.8
83	9:20:19 AM	16.575	14.8
84	9:20:20 AM	16.575	14.8
85	9:20:21 AM	16.575	14.8
86	9:20:22 AM	16.575	14.8
87	9:20:23 AM	16.575	14.8
88	9:20:24 AM	16.575	14.8
89	9:20:25 AM	16.571	14.8
90	9:20:26 AM	16.575	14.8

91	9:20:27 AM	16.575	14.8
92	9:20:28 AM	16.575	14.8
93	9:20:29 AM	16.575	14.8
94	9:20:30 AM	16.575	14.8
95	9:20:31 AM	16.575	14.8
96	9:20:32 AM	16.575	14.8
97	9:20:33 AM	16.575	14.8
98	9:20:34 AM	16.575	14.8
99	9:20:35 AM	16.579	14.8
100	9:20:36 AM	16.575	14.8

302slugin2.csv
Advanced Calibration Data

		Cal Date	m2	m1	m0	b3	b2	b1	b0
	Block 0	6/1/2007 10:40	1.00E-06	-2.40E-05	1.00326	-0.166016	8.80E-05	-3.71E-03	0.110421
	Block 1	unknown	0	0	0	0	0	0	100

Field Calibration Data		m	b	Cal Date
	Pressure	1	0	6/4/2007 14:58
	Temperature	1	0	unknown

SensorSN	2549026
Sensor Type	PT2X
Sensor Name	aquistar
Session Name	302slugin2
# Records	100

Statistical Data		Pressure(Ft H2O)	Temperature(degC)
	Sensor Range	50 psig	-40 - +125 degC
	Minimum	16.575	14.6
	Maximum	18.215	14.8
	Mean	16.62	14.8
	Variance	0.0394	0.01
	Std Deviation	0.1985	0.07

Rec #	Date/Time		Pressure(Ft H2O)	Temperature(degC)		
1	9:28:00 AM		16.579	14.6		
2	9:28:01 AM		16.579	14.6		
3	9:28:02 AM		16.583	14.6		
4	9:28:03 AM		16.591	14.6		
5	9:28:04 AM		17.537	14.6		
6	9:28:05 AM	0	18.215	14.6	1.64	1.0988
7	9:28:06 AM	1	17.14	14.6		17.12
8	9:28:07 AM	2	16.934	14.6		
9	9:28:08 AM	3	16.805	14.6		
10	9:28:09 AM	4	16.696	14.6		
11	9:28:10 AM	5	16.641	14.6		
12	9:28:11 AM	6	16.618	14.6		
13	9:28:12 AM	7	16.602	14.6		

14	9:28:13 AM	8	16.598	14.6
15	9:28:14 AM	9	16.594	14.7
16	9:28:15 AM	10	16.587	14.6
17	9:28:16 AM	11	16.591	14.7
18	9:28:17 AM	12	16.587	14.7
19	9:28:18 AM	13	16.587	14.7
20	9:28:19 AM	14	16.587	14.7
21	9:28:20 AM	15	16.587	14.7
22	9:28:21 AM		16.583	14.7
23	9:28:22 AM		16.583	14.7
24	9:28:23 AM		16.583	14.7
25	9:28:24 AM		16.583	14.7
26	9:28:25 AM		16.583	14.7
27	9:28:26 AM		16.583	14.7
28	9:28:27 AM		16.583	14.7
29	9:28:28 AM		16.583	14.7
30	9:28:29 AM		16.579	14.7
31	9:28:30 AM		16.583	14.7
32	9:28:31 AM		16.579	14.7
33	9:28:32 AM		16.583	14.8
34	9:28:33 AM		16.583	14.8
35	9:28:34 AM		16.583	14.7
36	9:28:35 AM		16.579	14.7
37	9:28:36 AM		16.579	14.8
38	9:28:37 AM		16.579	14.8
39	9:28:38 AM		16.579	14.8
40	9:28:39 AM		16.579	14.8
41	9:28:40 AM		16.579	14.8
42	9:28:41 AM		16.579	14.8
43	9:28:42 AM		16.579	14.8
44	9:28:43 AM		16.579	14.8
45	9:28:44 AM		16.579	14.8
46	9:28:45 AM		16.579	14.8
47	9:28:46 AM		16.579	14.8
48	9:28:47 AM		16.579	14.8
49	9:28:48 AM		16.579	14.8
50	9:28:49 AM		16.579	14.8

51	9:28:50 AM	16.579	14.8
52	9:28:51 AM	16.579	14.8
53	9:28:52 AM	16.579	14.8
54	9:28:53 AM	16.575	14.8
55	9:28:54 AM	16.579	14.8
56	9:28:55 AM	16.579	14.8
57	9:28:56 AM	16.579	14.8
58	9:28:57 AM	16.579	14.8
59	9:28:58 AM	16.579	14.8
60	9:28:59 AM	16.579	14.8
61	9:29:00 AM	16.579	14.8
62	9:29:01 AM	16.579	14.8
63	9:29:02 AM	16.579	14.8
64	9:29:03 AM	16.579	14.8
65	9:29:04 AM	16.579	14.8
66	9:29:05 AM	16.579	14.8
67	9:29:06 AM	16.579	14.8
68	9:29:07 AM	16.579	14.8
69	9:29:08 AM	16.579	14.8
70	9:29:09 AM	16.579	14.8
71	9:29:10 AM	16.579	14.8
72	9:29:11 AM	16.579	14.8
73	9:29:12 AM	16.579	14.8
74	9:29:13 AM	16.579	14.8
75	9:29:14 AM	16.579	14.8
76	9:29:15 AM	16.579	14.8
77	9:29:16 AM	16.579	14.8
78	9:29:17 AM	16.579	14.8
79	9:29:18 AM	16.579	14.8
80	9:29:19 AM	16.579	14.8
81	9:29:20 AM	16.579	14.8
82	9:29:21 AM	16.575	14.8
83	9:29:22 AM	16.579	14.8
84	9:29:23 AM	16.579	14.8
85	9:29:24 AM	16.575	14.8
86	9:29:25 AM	16.579	14.8
87	9:29:26 AM	16.575	14.8

88	9:29:27 AM	16.579	14.8
89	9:29:28 AM	16.579	14.8
90	9:29:29 AM	16.579	14.8
91	9:29:30 AM	16.579	14.8
92	9:29:31 AM	16.579	14.8
93	9:29:32 AM	16.579	14.8
94	9:29:33 AM	16.579	14.8
95	9:29:34 AM	16.575	14.8
96	9:29:35 AM	16.575	14.8
97	9:29:36 AM	16.575	14.8
98	9:29:37 AM	16.579	14.8
99	9:29:38 AM	16.579	14.8
100	9:29:39 AM	16.579	14.8

302slugout3.csv

Advanced Calibration Data		Cal Date	m2	m1	m0	b3	b2	b1	b0
	Block 0	6/1/2007 10:40	1.00E-06	-2.40E-05	1.00326	-0.166016	8.80E-05	-3.71E-03	0.110421
	Block 1	unknown	0	0	0	0	0	0	100

Field Calibration Data		m	b	Cal Date
	Pressure	1	0	6/4/2007 14:58
	Temperature	1	0	unknown

SensorSN	2549026
Sensor Type	PT2X
Sensor Name	aquistar
Session Name	302slugout3
# Records	100

Statistical Data		Pressure(Ft H2O)	Temperature(degC)
	Sensor Range	50 psig	-40 - +125 degC
	Minimum	15.632	14.5
	Maximum	16.579	14.8
	Mean	16.551	14.7
	Variance	0.0158	0.01
	Std Deviation	0.1256	0.08

Rec #	Date/Time		Pressure(Ft H2O)	Temperature(degC)		
1	9:35:42 AM		16.575	14.5		
2	9:35:43 AM		16.575	14.6		
3	9:35:44 AM		16.501	14.6		
4	9:35:45 AM		16.205	14.6		
5	9:35:46 AM	0	15.632	14.6	0.943	0.63181
6	9:35:47 AM	1	15.858	14.6	0.717	0.31119
7	9:35:48 AM	2	16.295	14.6	0.28	
8	9:35:49 AM	3	16.482	14.6	0.093	
9	9:35:50 AM	4	16.54	14.6	0.035	
10	9:35:51 AM	5	16.556	14.6	0.019	
11	9:35:52 AM	6	16.563	14.6	0.012	

12	9:35:53 AM	7	16.567	14.6	0.008
13	9:35:54 AM	8	16.567	14.6	0.008
14	9:35:55 AM	9	16.567	14.6	0.008
15	9:35:56 AM	10	16.571	14.6	0.004
16	9:35:57 AM	11	16.571	14.6	0.004
17	9:35:58 AM	12	16.571	14.6	0.004
18	9:35:59 AM	13	16.571	14.6	0.004
19	9:36:00 AM	14	16.575	14.6	0
20	9:36:01 AM	15	16.575	14.6	
21	9:36:02 AM	16	16.575	14.6	
22	9:36:03 AM	17	16.575	14.6	
23	9:36:04 AM	18	16.575	14.7	
24	9:36:05 AM	19	16.575	14.7	
25	9:36:06 AM	20	16.575	14.7	
26	9:36:07 AM	21	16.575	14.7	
27	9:36:08 AM	22	16.575	14.7	
28	9:36:09 AM	23	16.579	14.7	
29	9:36:10 AM	24	16.579	14.7	
30	9:36:11 AM	25	16.575	14.7	
31	9:36:12 AM	26	16.579	14.7	
32	9:36:13 AM	27	16.579	14.7	
33	9:36:14 AM	28	16.579	14.7	
34	9:36:15 AM	29	16.579	14.7	
35	9:36:16 AM	30	16.579	14.7	
36	9:36:17 AM	31	16.579	14.7	
37	9:36:18 AM	32	16.555	14.7	
38	9:36:19 AM	33	16.575	14.8	
39	9:36:20 AM	34	16.579	14.8	
40	9:36:21 AM	35	16.579	14.7	
41	9:36:22 AM	36	16.579	14.8	
42	9:36:23 AM	37	16.579	14.8	
43	9:36:24 AM	38	16.579	14.8	
44	9:36:25 AM	39	16.579	14.8	
45	9:36:26 AM	40	16.579	14.8	
46	9:36:27 AM	41	16.579	14.8	
47	9:36:28 AM	42	16.571	14.8	
48	9:36:29 AM	43	16.575	14.8	

49	9:36:30 AM	16.575	14.8
50	9:36:31 AM	16.575	14.8
51	9:36:32 AM	16.579	14.8
52	9:36:33 AM	16.579	14.8
53	9:36:34 AM	16.579	14.8
54	9:36:35 AM	16.579	14.8
55	9:36:36 AM	16.579	14.8
56	9:36:37 AM	16.579	14.8
57	9:36:38 AM	16.579	14.8
58	9:36:39 AM	16.579	14.8
59	9:36:40 AM	16.579	14.8
60	9:36:41 AM	16.579	14.8
61	9:36:42 AM	16.579	14.8
62	9:36:43 AM	16.579	14.8
63	9:36:44 AM	16.571	14.8
64	9:36:45 AM	16.579	14.8
65	9:36:46 AM	16.579	14.8
66	9:36:47 AM	16.579	14.8
67	9:36:48 AM	16.579	14.8
68	9:36:49 AM	16.579	14.8
69	9:36:50 AM	16.579	14.8
70	9:36:51 AM	16.579	14.8
71	9:36:52 AM	16.579	14.8
72	9:36:53 AM	16.579	14.8
73	9:36:54 AM	16.579	14.8
74	9:36:55 AM	16.579	14.8
75	9:36:56 AM	16.579	14.8
76	9:36:57 AM	16.579	14.8
77	9:36:58 AM	16.579	14.8
78	9:36:59 AM	16.579	14.8
79	9:37:00 AM	16.579	14.8
80	9:37:01 AM	16.579	14.8
81	9:37:02 AM	16.579	14.8
82	9:37:03 AM	16.579	14.8
83	9:37:04 AM	16.579	14.8
84	9:37:05 AM	16.579	14.8
85	9:37:06 AM	16.579	14.8

86	9:37:07 AM	16.563	14.8
87	9:37:08 AM	16.571	14.8
88	9:37:09 AM	16.575	14.8
89	9:37:10 AM	16.575	14.8
90	9:37:11 AM	16.579	14.8
91	9:37:12 AM	16.579	14.8
92	9:37:13 AM	16.579	14.8
93	9:37:14 AM	16.579	14.8
94	9:37:15 AM	16.579	14.8
95	9:37:16 AM	16.579	14.8
96	9:37:17 AM	16.579	14.8
97	9:37:18 AM	16.579	14.8
98	9:37:19 AM	16.579	14.8
99	9:37:20 AM	16.547	14.8
100	9:37:21 AM	16.571	14.8

303slugin3.csv

Advanced Calibration Data		Cal Date	m2	m1	m0	b3	b2	b1	b0
	Block 0	6/1/2007 10:40	1.00E-06	-2.40E-05	1.00326	-0.166016	8.80E-05	-3.71E-03	0.110421
	Block 1	unknown	0	0	0	0	0	0	100

Field Calibration Data		m	b	Cal Date
	Pressure	1	0	6/4/2007 14:58
	Temperature	1	0	unknown

SensorSN	2549026
Sensor Type	PT2X
Sensor Name	aquistar
Session Name	slugin3
# Records	100

Statistical Data		Pressure(Ft H2O)	Temperature(degC)
	Sensor Range	50 psig	-40 - +125 degC
	Minimum	15.448	14.9
	Maximum	17.603	15.2
	Mean	15.594	15.1
	Variance	0.1286	0.01
	Std Deviation	0.3586	0.09

Rec #	Date/Time		Pressure(Ft H2O)	Temperature(degC)		
1	8:21:13 AM		15.452	14.9		
2	8:21:14 AM		15.449	14.9		
3	8:21:15 AM		15.449	14.9		
4	8:21:16 AM		15.448	14.9		
5	8:21:17 AM		15.452	14.9		
6	8:21:18 AM		15.452	14.9		
7	8:21:19 AM		15.46	14.9		
8	8:21:20 AM		15.46	14.9		
9	8:21:21 AM		15.456	14.9		
10	8:21:22 AM		16.157	14.9		
11	8:21:23 AM	0	17.603	14.9	2.155	1.44385
12	8:21:24 AM	1	17.541	14.9	2.093	16.16
13	8:21:25 AM	2	16.625	14.9	1.177	

14	8:21:26 AM	3	16.434	14.9	0.986
15	8:21:27 AM	4	16.298	15	0.85
16	8:21:28 AM	5	16.188	15	0.74
17	8:21:29 AM	6	16.095	15	0.647
18	8:21:30 AM	7	16.013	15	0.565
19	8:21:31 AM	8	15.943	15	0.495
20	8:21:32 AM	9	15.885	15	0.437
21	8:21:33 AM	10	15.83	15	0.382
22	8:21:34 AM		15.783	15	
23	8:21:35 AM		15.74	15	
24	8:21:36 AM		15.705	15	
25	8:21:37 AM		15.674	15	
26	8:21:38 AM		15.651	15	
27	8:21:39 AM		15.624	15	
28	8:21:40 AM		15.604	15.1	
29	8:21:41 AM		15.588	15	
30	8:21:42 AM		15.573	15.1	
31	8:21:43 AM		15.557	15	
32	8:21:44 AM		15.545	15.1	
33	8:21:45 AM		15.534	15.1	
34	8:21:46 AM		15.526	15.1	
35	8:21:47 AM		15.518	15.1	
36	8:21:48 AM		15.51	15.1	
37	8:21:49 AM		15.507	15.1	
38	8:21:50 AM		15.499	15.1	
39	8:21:51 AM		15.495	15.1	
40	8:21:52 AM		15.487	15.1	
41	8:21:53 AM		15.487	15.1	
42	8:21:54 AM		15.483	15.1	
43	8:21:55 AM		15.479	15.1	
44	8:21:56 AM		15.475	15.1	
45	8:21:57 AM		15.475	15.1	
46	8:21:58 AM		15.471	15.1	
47	8:21:59 AM		15.471	15.1	
48	8:22:00 AM		15.468	15.1	
49	8:22:01 AM		15.468	15.1	
50	8:22:02 AM		15.467	15.1	

51	8:22:03 AM	15.464	15.1
52	8:22:04 AM	15.464	15.1
53	8:22:05 AM	15.464	15.1
54	8:22:06 AM	15.46	15.1
55	8:22:07 AM	15.46	15.1
56	8:22:08 AM	15.46	15.1
57	8:22:09 AM	15.46	15.1
58	8:22:10 AM	15.46	15.1
59	8:22:11 AM	15.46	15.1
60	8:22:12 AM	15.46	15.1
61	8:22:13 AM	15.46	15.1
62	8:22:14 AM	15.456	15.1
63	8:22:15 AM	15.456	15.1
64	8:22:16 AM	15.456	15.1
65	8:22:17 AM	15.456	15.1
66	8:22:18 AM	15.456	15.1
67	8:22:19 AM	15.456	15.1
68	8:22:20 AM	15.456	15.1
69	8:22:21 AM	15.456	15.1
70	8:22:22 AM	15.456	15.1
71	8:22:23 AM	15.456	15.1
72	8:22:24 AM	15.456	15.1
73	8:22:25 AM	15.456	15.1
74	8:22:26 AM	15.456	15.1
75	8:22:27 AM	15.456	15.1
76	8:22:28 AM	15.456	15.1
77	8:22:29 AM	15.456	15.1
78	8:22:30 AM	15.456	15.1
79	8:22:31 AM	15.452	15.1
80	8:22:32 AM	15.456	15.1
81	8:22:33 AM	15.456	15.2
82	8:22:34 AM	15.456	15.2
83	8:22:35 AM	15.452	15.1
84	8:22:36 AM	15.456	15.1
85	8:22:37 AM	15.456	15.1
86	8:22:38 AM	15.456	15.1
87	8:22:39 AM	15.456	15.2

88	8:22:40 AM	15.448	15.1
89	8:22:41 AM	15.456	15.1
90	8:22:42 AM	15.456	15.2
91	8:22:43 AM	15.456	15.1
92	8:22:44 AM	15.456	15.2
93	8:22:45 AM	15.456	15.2
94	8:22:46 AM	15.452	15.2
95	8:22:47 AM	15.456	15.2
96	8:22:48 AM	15.452	15.2
97	8:22:49 AM	15.456	15.2
98	8:22:50 AM	15.456	15.2
99	8:22:51 AM	15.456	15.2
100	8:22:52 AM	15.456	15.2

APPENDIX B

Groundwater Sampling Field Data Sheets

PSC

Well Number 300

☒ Development
☐ Purging

WELL DEVELOPMENT AND PURGING DATA

Page 1 of 1

Project Name Champaign FMGP Off-Site Investigation Project Manager Derek Ingram Project No.
Client Company AmerenIP Cost Code
Site Name Champaign FMGP Site Address

Development Criteria

☒ 3 to 5 Casing Volumes of Water Removal
☒ Stabilization of Indicator Parameters
☐ Other

Methods of Development

Pump	Bailer
☐ Centrifugal	☒ Bottom Valve
☒ Submersible	☐ Double Check Valve
☐ Peristaltic	☐ Stainless-steel Kemmerer

☒ Whale ☐ Grundfos ☐ Bladder ☐ _____

Water Volume Calculation

(2"=0.1632, 4"=0.6528 1"=0.041, 1.5"=0.092)

Initial Depth of Well (feet) 44.65' *
Initial Depth to Water (feet) 34.85'
Height of Water Column in Well (feet) 19.80'
Diameter (inches): Well 2 " Gravel Pack

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing		3.2	9.7
Gravel Pack			
Drilling Fluids			
Total			9.7

gallon to liter conversion (x3.8) = _____ Liters

Instruments

Serial No. (If applicable)

☒ Temperature Meter
☒ Conductivity Meter
☐ DO Meter
☒ pH Meter
☐ ORP Meter
☐ Turbidity Meter

Water Disposal: Poly tank/Off-Site w/ Heritage

Water Removal Data

Date	Time	Development Method		Removal Rate (Liter/min)	Intake Depth (feet)	Ending Water Depth (feet) ☒	Water Volume Removed (Liters)		Product Volume Removed (Liters)		Temp (°C)	Conductivity (mS/cm) (ppm)	Dissolved Oxygen (mg/L)	pH	ORP (mVolts)	Turbidity (<10 NTUs)	Comments
		Pump	Bailer				Increment	Cumulative	Increment	Cumulative							
5/19/08	0758	☒	X		na	-	-	0			-	-	-	-	-	-	Start development
	0803		X		na	—	1.0	1.0			14.1	0.288		7.54			Clear
	0813	X			35	33.45	1.5	2.5			14.8	0.299		8.35			Dk. gray, clayey
	0822	X			44.6	34.14	1.0	3.5			14.8	0.330		8.37			SAA
	0832	X			44.6	40.85	5.0	8.5			14.8	0.323		8.25			SAA
	0837	X			44.6	41.85	1.5	10.0			15.0	0.346		8.22			SAA
	0852	X			44.6	43.49	2.0	12.0			15.2	0.371		8.24			SAA, some fine sand
	0910					42.55	—	—			—	—		—			Recovery water level
↓																	
					-						-	-	-	-	-		

Circle the date and time that the development criteria are met.

Comments * correction to depth = +0.07'. Final well depth = 44.64 + 0.07' = 44.71' (TOC)

Developer's Signature(s) _____ Date 5/19/08 Reviewer _____ Date _____

Groundwater Sampling Record

Page ____ of ____

Site Name: Champaign Former MGP

Weather Conditions: 55° CLEAR

Sampler(s): JTL + JTB

Sampler: BAILER

Type/EQ: Dedicated Bladder Pump

Notes: BAILER TRY WELL ON 5-22-08
SAMPLE TAKEN WITH BAILER ON 5-23-08 WL 26.11

Well ID: UMW - 300

Date: 5-22-08

Well Depth: 45.00

Water Level: 25.58

Product Thickness: N/A

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
13:18	25.68	12:55							18.56	8.00	0.607	7.6	109	97.9
13:25	30.95	TO							16.54	7.84	0.481	45	124	84.9
13:30	34.96	13:50	ON	5-22-08			10 GAL		15.59	7.58	0.463	ERR	132	61.9
5-23-08														
08:00	BEFORE SAMPLE							08:00	14.46	7.97	0.379	23	184	61.8
08:08	AFTER SAMPLE							TO	14.53	7.81	0.389	85	189	60.6
								08:08						

Sample Time 08:00 5-23-08

Signature [signature]

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Groundwater Sampling Record

Site Name: Champaign Former MGP

Sampler(s): JTK

Sampler: GEO Control Pro

Type/EQ: Dedicated Bladder Pump

Notes:

Weather Conditions: 68° Clear

Well ID: UMW - 117

Date: 4-21-08

Well Depth: 15.00

Water Level: 6.77

Product Thickness: N/A

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters: (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
14:50	6.77	15:00		5	35	L	0		14.40	7.95	0.219	35	165	52.0
15:17	6.98			4	40		1		16.05	7.62	0.214	26	170	28.8
15:37	7.02			4	40		2		16.25	7.55	0.215	23	178	18.9
15:57	7.05			4	40		3		16.08	7.52	0.218	12	186	8.7
16:19	7.05						4		16.08	7.53	0.218	8.1	192	7.6
16:42	7.05						5		16.11	7.51	0.218	7.8	190	7.4
							5.5							
								16:45 TO 17:29						

Sample Time 16:45 | Signature [signature]

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Groundwater Sampling Record

Page ____ of ____

Site Name: Champaign Former MGP
Weather Conditions: 60° P-Cloudy
Sampler(s): JTL + JTB
Sampler: QED Control Pro
Type/EQ: Dedicated Bladder Pump
Notes:

Well ID: UMW - 116
Date: 4-20-08
Well Depth: 19.70
Water Level: 4.84
Product Thickness: N/A

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters: (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
15:30	4.94	15:36	17	30	6		0		14.22	7.40	0.554	39	91	15.6
15:50	5.75		17	30	6		1		13.95	7.21	0.544	50	108	10.7
15:56	6.10		17	35	6		2		13.19	7.18	0.533	40	121	8.3
16:01	6.20		16	35	5		3		13.18	7.17	0.528	21	125	5.7
16:09	6.20		17	36	6		4		13.31	7.17	0.524	9.2	132	4.8
16:16	6.26		17	37	6		5		13.15	7.16	0.520	6.5	138	4.18
16:22	6.40		17	40	6		6		13.15	7.16	0.519	4.6	144	4.5
16:29	6.50		17	40	6		7		13.15	7.16	0.516	3.3	144	4.6
16:38	6.51		17	40	6		8		13.14	7.16	0.514	3.2	147	4.7
								16:40						
								TO						
								16:50						

Sample Time: 16:40
Signature: John L Linnemann

Groundwater Sampling Record

Page 1 of 1

Site Name: Champaign Former MGP

Weather Conditions: [illegible] Cloudy

Sampler(s): [illegible] JTB

Sampler: GEO Control PRO

Type/EQ: Dedicated Bladder Pump

Notes:

Well ID: UMW - 115

Date: 5-20-08

Well Depth: 21.50

Water Level: 4.98

Product Thickness: N/A

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters: (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
08:10	4.98	08:17	14	10	5		0							
08:21	6.86		14	15	5		1		11.74	6.83	0.499	45	174	8.6
08:27	7.55		14	20	5		2		11.74	6.70	0.475	55	176	5.6
08:34	7.58		14	30	5		3		12.18	6.68	0.469	40	178	6.2
08:48	7.61		14	32	5		4		12.17	6.64	0.469	25	182	5.0
09:01	7.61		14	32	5		5		12.49	6.64	0.469	15	183	3.2
09:14	7.61		14	32	5		6		12.69	6.64	0.463	11	185	3.0
09:29	7.61		14	32	5		7		12.68	6.64	0.462	9.9	186	2.9
								09:30						
								TO						
								10:58						

Sample Time 09:30 | Signature [illegible]

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Groundwater Sampling Record

Page ____ of ____

Site Name: Champaign Former MGP
Weather Conditions: 52° F Cloudy
Sampler(s): MJ + JTS
Sampler: JTS Cooler #38
Type/EQ: Dedicated Bladder Pump
Notes:

Well ID: UMW - 114
Date: 5-20-09
Well Depth: 22.40
Water Level: 5.22
Product Thickness: N/A

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters: (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
11:00	5.22	11:05	14	35	5	4	0		14.79	7.67	0.374	5.9	99	37.5
11:15	6.18		14	40	5		1		14.98	7.66	0.374	5.2	100.4	18.4
11:30	6.30		14	37	5		2		13.53	7.67	0.369	4.3	162	10.1
11:45	6.38		14	37	5		3		13.07	7.67	0.365	3.8	164	5.9
11:53	6.22		14	37	5		4		12.88	7.67	0.363	3.4	164	5.5
12:00	6.28		14	37	5		5		12.77	7.67	0.358	4.3	162	4.4
12:21	6.22		14	37	5		6		12.27	7.67	0.356	4.0	165.3	4.0
12:45	6.22		14	37	5		7		12.27	7.69	.355	3.8	167	3.8
								2:00						
								2						
								2:12						

Sample Time: 11:50
Signature:

Groundwater Sampling Record

Page ____ of ____

Site Name: Champaign Former MGP

Sampler(s):

Sampler Type/EQ: Dedicated Bladder Pump

Notes:

Weather Conditions:

Well ID: UMW - 113

Date:

Well Depth: 22.00

Water Level:

Product Thickness:

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO

Sample Time: 13:10

Signature:

Groundwater Sampling Record

Site Name: Champaign Former MGP
Weather Conditions: 60° Clear
Well ID: UMW - 108
Date: 5-21-08
Sampler(s): JH
Sampler: GEO Control Prd
Type/EQ: Dedicated Bladder Pump
Notes:
Well Depth: 14.80
Water Level: 4.85
Product Thickness: N/A

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
11:50	4.95	12:00		30	6		0		14.80	7.94	0.339		206	46.6
12:09	5.31			30	6		1		13.40	7.51	0.315	26	208	33.6
12:16	5.54			40	6		2		13.51	7.25	0.308	18	206	30.6
12:28	5.80			45	6		3		14.18	7.12	0.306	8.3	206	30.1
12:47	5.91			55	5		4		16.95	7.12	0.311	6.6	207	44.1
12:59	6.03			60	5		4.5		15.83	7.07	0.306	4.9	210	44.9
13:14	6.10			60	5		5.0		15.80	7.07	0.306	4.1	214	40.3
13:26	6.18			60	5		5.5		15.99	7.07	0.306	4.1	215	40.3
13:29	6.30			60	5		6		16.02	7.07	0.306	3.9	215	40.3
								13:40						
								TD						

Sample Time: 13:40
Signature: [signature]

Groundwater Sampling Record

Page ____ of ____

Site Name: Champaign Former MGP

Weather Conditions: 60° F Cloudy

Well ID: UMW - 107

Date: 5-20-08

Well Depth: 19.20

Water Level: 5.01

Product Thickness: N/A

Sampler(s): JTK + JTB

Sampler: GEC Control Pro

Type/EQ: Dedicated Bladder Pump

Notes:

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters: (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
13:45	5.01	13:54	17	30	5	L	0		13.74	7.54	0.405	13	98	38.0
14:02			17	30	5		1		13.46	7.49	0.437	12	105	7.2
14:18			17	30	5		2		13.31	7.44	0.452	9.3	136	3.2
14:32	5.84		17	30	5		3		13.13	7.44	0.454	7.5	145	2.7
14:30	5.92		17	29	5		4		13.07	7.43	0.457	5.5	149	2.2
14:40	5.96		17	28	5		5		13.25	7.43	0.460	4.6	149	2.3
14:48	5.96		17	29	5		6		13.58	7.43	0.464	4.3	146	1.9
14:56	5.98		17	30	5		7		13.60	7.43	0.464	3.4	139	1.9
15:02	5.98		17	30	5		8		13.58	7.43	0.466	3.2	137	1.9
								15:05						
								TO						
								15:25						

Sample Time: 15:05

Signature: [signature]

Groundwater Sampling Record

Page ____ of ____

Site Name: Champaign Former MGP

Sampler(s): JTL

Sampler: GEO Control Pro

Type/EQ: Dedicated Bladder Pump

Notes:

Weather Conditions: 50° Clear

Well ID: UMW - 106

Date: 5-21-08

Well Depth: 19.50

Water Level: 7.38

Product Thickness: N/A

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters: (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
08:43	7.38	09:01		30	5		0		13.92	7.62	0.419	3.8	156	67.0
09:14	8.05		16	\	\		1		12.86	7.19	0.595	3.3	178	13.0
09:23	8.06		16	33	\		2		12.85	7.15	0.598	2.8	189	8.1
09:32	8.29		16	35	5		3		13.59	7.14	0.606	3.1	196	7.2
09:47	8.56		16	45	5		4		13.57	7.15	0.606	2.2	204	11.5
10:07	8.57		16	55	5		4.5		14.06	7.15	0.609	2.3	211	13.6
10:15	8.58		16	55	5		5.0		14.24	7.15	0.610	2.0	214	13.6
10:36	8.58		16	55	5		5.5		14.24	7.15	0.612	2.7	217	14.0
								10:40 TO 11:27						

Sample Time: 10:40

Signature: [signature]

Groundwater Sampling Record

Site Name: Champaign Former MGP
Weather Conditions: 50° Clear
Sampler(s): JHL
Sampler: GEO Control Tech
Type/EQ: Dedicated Bladder Pump
Notes: 08:48+09:00 TEMP RISE DUE TO SUN ON INSTR. (SHADED)

Well ID: UMW - 102
Date: 5-22-08
Well Depth: 21.60
Water Level: 4.71
Product Thickness: N/A

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
07:40	4.71	07:50		35	6	L	0							
08:03	5.38			35	5		1		11.96	7.38	0.234	16	148	23.9
08:13	5.38			35	5		2		12.52	7.31	0.234	15	170	9.15
08:34	5.38						3		13.66	7.23	0.234	6.4	188	4.3
08:48	5.38						4		14.04	7.29	0.235	5.2	194	3.9
09:03	5.38						5		14.71	7.30	0.237	4.4	199	3.7
09:20	5.38						6		13.59	7.29	0.233	4.2	204	3.3
09:35	5.38						6.5		13.49	7.26	0.232	4.1	207	3.2
09:47	5.38						7		13.49	7.24	0.232	3.9	208	3.2
								09:45 TO 10:15						

Sample Time: 09:45
Signature: John Limesand

Groundwater Sampling Record

Site Name: Champaign Former MGP
Sampler(s): Bignell/Cravens
Sampler: Hydrolab Quanta
Type/EQ: Dedicated Bladder Pump
Notes: 1x well vol. = 1.64 gal.

Weather Conditions: Cldy, ~72°F, mod 25 mph

Well ID: UMW - 118
Date: 5-22-08
Well Depth: 15.00
Water Level: 6.53' mp
Product Thickness:

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters: (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
1458	6.60						—		—	—	—	—	—	—
1500	6.82		14	5	30		0		17.32	8.52	713	368	-25	64.8
1508	7.01		14	5	30		1L.		13.02	7.79	659	327	6	30.4
1514	~~7.07~~ 7.24		14	5	30		2L.		13.04	7.65	648	191	14	33.3
1520	7.40		14	5	30		3L.		13.04	7.59	644	294	20	33.4
1525	7.55		14	5	30		4L.		12.78	7.54	642	228	25	30.3
1531	7.75		14	5	30		5L.		12.83	7.48	639	294	29	25.4
1538	7.81		14	5	35		6L.	1539	13.22	7.42	640	327	22.2	33
								1552						

Sample Time: 1539
Signature:

Groundwater Sampling Record

Site Name: Champaign Former MGP
Sampler(s): Bignell/Cravens
Sampler: Hydrolab Quanta
Type/EQ: Dedicated Bladder Pump
Notes: 1 well volume = 2.9 gals.; slight tar-like odor

Weather Conditions: Cldy ~70°F; wind W <5 mph

Well ID: UMW - 304
Date: 5-22-08
Well Depth: 45.00
Water Level: 27.48 ft
Product Thickness:

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters: (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
1406 ~~1408~~	27.48		26	10	15				—	—	—	—	—	—
1407	27.48		26	10	15		0		14.72	8.38	693	11.1	-62	14.2
1410	27.48		"	"	"		1 L.		14.72	8.26	689	7.9	-74	9.1
1413	27.50		26	10	15		2 L.		14.63	8.13	687	5.1	-99	5.1
1416	27.50		"	"	"		3 L.		14.67	8.07	686	2.6	-125	4.0
1419	27.50		26	10	15		4 L.		14.70	8.03	687	3.2	-144	—
1421	27.50		26	10	15		5 L.		14.75	8.03	688	2.1	-154	3.0
1423	27.50		26	10	15		6 L.		14.67	8.01	690	2.2	-165	2.8
1426	27.50		26	10	15		7 L.		14.73	8.00	693	2.2	-176	2.5
1428	27.50		26	10	15		8 L.		14.72	8.00	696	2.2	-182	2.3
1431	27.50		26	10	15		9 L.		14.80	8.00	698	1.9	-188	2.2
1434	27.50		26	10	15		10 L.		14.70	8.00	702	1.6	-195	2.2
1437	27.50		26	10	15		11 L.	1438	14.73	7.99	704	1.9	-199	2.1
								1446						

Sample Time: 1438
Signature:

Groundwater Sampling Record

Site Name: Champaign Former MGP
Weather Conditions: Clear, ~68°F; wind < 5 mph
Sampler(s): Bignell/Cravens
Sampler: Hydrolab Quanta
Type/EQ: Dedicated Bladder Pump
Notes: 1x Purge Volume = 3.2 gal. Lt. gray H2S odor
Sample Type: UMW303D @ 1334'

Well ID: UMW - 303
Date: 5-22-08
Well Depth: 45.00
Water Level: 25.64
Product Thickness:

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
1249	25.73								—	—	—	—	—	—
1252	25.73		26	10	15	0	0		16.58	9.01	332	37.4	-40	31.7
1254	25.73		26	10	15	*	1L.		15.24	8.59	843	93.8	-54	12.8
1257	25.73		26	10	15		2L.		15.20	8.24	795	60.8	-67	5.9
1300	25.73		26	10	15		3L.		15.21	8.09	770	36.7	-73	4.6
1306	25.73		26	10	15		5L.		15.14	7.94	743	13.3	-79	3.4
1310	25.73		26	10	15		6L		15.14	7.85	732	13.3	-84	2.7
1313	25.73		26	10	15		7L		15.12	7.82	725	7.74	-85	2.9
1314	25.73		26	10	15		8L.		15.07	7.80	720	6.63	-86	2.8
1317	"		"	"	"		9L.		15.08	7.77	715	6.55	-87	2.9
1320	"		"	"	"		10L		15.09	7.76	711	5.78	-89	2.2
1323	"		"	"	"		11L.		15.10	7.73	709	4.27	-90	2.0
1326	25.73		26	10	15		12L.	1327	15.09	7.72	709	4.07	-90	2.1
								1338						

Sample Time: 1327/1334 Signature:

Groundwater Sampling Record

Site Name: Champaign Former MGP

Weather Conditions: Clear, ~64°F, wind < 5 mph

Sampler(s): Bignell / Cravens

Sampler: Hydraulic Quanta

Type/EQ: Dedicated Bladder Pump

Notes: 1x well volume = 1.9 gal.

Well ID: UMW - 119

Date: 5-22-08

Well Depth: 15.00

Water Level: 3.59 ft

Product Thickness:

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
1030	3.68								—	—	—	—	—	—
1031	4.02		14	5	30		0		14.42	7.86	512	249	156	44.1
1036	4.19		14	5	30		1 L.		13.45	7.65	526	136	157	20.2
1043	4.20		14	5	30		2 L.		13.54	7.61	524	136	148	10.8
1050	4.20		14	5	30		3 L.		13.54	7.61	523	111	143	12.1
1056	4.20		14	5	30		4 L.		13.49	7.60	522	90	141	12.3
1103	4.20		14	5	30		5 L.		13.51	7.58	521	59	137	14.4
1110	4.20		14	5	30		6 L.	1111	13.49	7.58	520	48	135	16.2
								1123						

Sample Time: 1111

Signature:

Groundwater Sampling Record

Site Name: Champaign Former MGP

Weather Conditions: Clear, ~60°F; wind 5-10 mph NE

Sampler(s): Bignell / Craven

Sampler: ~~Hydrolab~~ Quanta

Type/EQ: Dedicated Bladder Pump

Notes: 1x well volume = 1.8gal.

Well ID: UMW - 120

Date: 5-22-08

Well Depth: 15.00

Water Level: 4.34 mp

Product Thickness:

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
0938	4.44	-	-	-	-	-	-	-	-	-	-	-	-	-
0942	4.44		←	14	5	30/3	0		17.72	7.99	511	4.1	171	90.2
0948	4.60		←	20	8	25	1L		11.93	7.55	605	130	176	26.4
0951	4.72		20	~~25~~	~~8~~		2L		11.75	7.58	519	36.1	172	47.2
0953	4.79		20	~~25~~	~~8~~		4L		11.99	7.58	500	43.4	168	57.9
0954	4.86		18	~~20~~	~~7~~		5L		12.01	7.56	501	93.8	168	58.1
0956	4.86		16	20	6		6L		12.35	7.55	501	-	164	58.2
0958	4.86		17	20	7		7L		12.39	7.55	501	127	162	57.7
1002	4.86		17	20	7		9L	1001	-	-	-	-	-	-
								1210						

Sample Time 1001 Signature

Groundwater Sampling Record

Site Name: Champaign Former MGP
Weather Conditions: Clear, ~56°F, wind < 5 mph
Well ID: UMW - 104
Date: 5-22-08
Sampler(s): Bissell/Cravens
Sampler: Hydrolab Quanta
Type/EQ: Dedicated Bladder Pump
Well Depth: 19.50
Water Level: 2.60 mp
Product Thickness:
Notes: 1X wellvolume = 2.8 gals.

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters: (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
~~0750~~	2.43		13	5	30		0		—	—	—	—	—	—
0754	2.90		13	5	25		0		16.83	8.58	661	26.4	221	45.7
0803	3.06	3.18	13	5	25		1 L.		11.66	7.93	683	34.7	215	12.3
0814	3.90		13	5	25		2L.		11.73	7.64	684	23.2	204	8.7
0822	3.43		13	5	25		3 L.		11.77	7.58	680	14.1	195	6.6
0830	3.43		13	5	25		4 L.		11.77	7.52	679	11.5	187	4.1
0840	3.43		13	5	25		5 L.		11.74	7.46	675	9.6	178	3.4
0849	3.44		13	5	25		6L.		11.81	7.42	673	7.9	170	3.0
0858	3.44		13	5	25		7L.	0902 0918	11.86	7.34	673	7.4	164	3.6

Sample Time: 0902
Signature:

Groundwater Sampling Record

Site Name: Champaign Former MGP
Weather Conditions: Clear, ~68°F; <5 mph
Sampler(s):
Sampler: Hydrolab Quanta
Type/EQ: Dedicated Bladder Pump
Notes: 1x well vol. = 3.0 gals ; slight tar-like odor. MS/MSD sample (2 sets samples)

Well ID: UMW - 301
Date: 5-21-08
Well Depth: 45.00
Water Level: 25.48 ft
Product Thickness:

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters: (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
1624	25.57		14	7/10	20/15		—		—	—	—	—	—	—
1626	25.57		26	10	15		0		15.78	7.86	669	32.4	-31	21.4
1630	25.57		26	10	15		1L		14.75	7.54	683	38.5	-55	8.4
1634	25.57		26	10	15		2L		14.71	7.44	683	18.4	-66	4.4
1636	25.57		26	10	15		3L		14.73	7.39	682	12.4	-72	3.4
1638	25.57		26	10	15		4L		14.71	7.35	681	8.2	-76	2.8
1641	25.57		26	10	15		5L		14.69	7.29	679	4.5	-81	2.6
1644	25.57		26	10	15		6L		14.70	7.27	678	4.5	-84	2.4
1647	25.57		26	10	15		7L		14.61	7.24	677	3.7	-88	2.0
1650	25.57		26	10	15		8L		14.60	7.22	675	3.4	-91	2.0
1652	25.57		26	10	15		9L		14.59	7.20	676	3.3	-92	1.9
1655	25.57		26	10	15		10L		14.60	7.19	675	3.2	-94	1.8
1658	25.57		26	10	15		11L	1700	14.59	7.17	674	3.0	-95	1.9
								1712						

Sample Time: 1700 Signature: (MS/MSD)

Groundwater Sampling Record

Site Name: Champaign Former MGP
Sampler(s): Craven / Blynell
Sampler: Hydrolab Quanta
Type/EQ: Dedicated Bladder Pump
Notes: 1x well volume = 1.75 gal.

Weather Conditions: Clear, ~68°F, wind < 5 mph

Well ID: UMW - 110
Date: 5-21-08
Well Depth: 20.50
Water Level: 1.03 mp
Product Thickness:

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters: (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
1445	1.00						~~[illegible]~~ –		–	–	–	–	–	–
1449	1.50		16	~~[illegible]~~ 7	35		0		18.93	8.41	660	118	-23	32.1
1456	1.72		14	6/7	30							sic	~~[illegible]~~	~~[illegible]~~
1459	1.77		14	7	30		1 L.		16.15	7.70	655	40.5	-33	9.8
1506	1.79		14	7	33		2 L.	14.96	~~[illegible]~~	7.54	634	33.7	-34	6.4
1517	1.80		14	7	33		3 L.		15.55	7.46	643	20.5	-36	4.3
1528	1.80		14	7	33		4 L.		15.43	7.48	619	15.0	-37	2.2
1537	1.80		14	7	33		5 L.		15.06	7.49	604	13.3	-38	2.3
1548	1.80		14	7	33		6 L.		15.07	7.44	610	11.9	-38	3.6
1554	1.80		14	7	33		6.5 L		15.10	7.45	609	9.9	-37	3.3
								1555/						
								1615						

Sample Time: 1555
Signature: [signature]

Groundwater Sampling Record

Site Name: Champaign Former MGP
Sampler(s): Bighell / Cravens
Sampler: Hydrolab Quanta
Type/EQ: Dedicated Bladder Pump
Notes: 1x well volume = 2.8 gals
Dupe = UMW302D @ 1351

Weather Conditions: Clear, 65°F; wind < 5 mph

Well ID: UMW - 302
Date: 5-21-08
Well Depth: 45.00
Water Level: 27.97
Product Thickness:

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters: (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
1300	~~28.03~~	28.05	—	~~20~~ 15	25		—		—	—	—	—	—	—
1302	28.05		27	10	25				14.88	7.63	828	25.5	-24	25.8
1305	28.06		27	10	25		1 L.		14.78	7.40	819	15.9	-51	9.6
1310	28.06		27	10	25		2 L.		14.65	7.37	802	7.7	-69	5.7
1313	28.06		27	10	25		3 L.		14.68	7.37	794	7.1	-76	4.5
1317	28.06		27	10	25		4 L.		14.54	7.39	786	7.6	-82	3.8
1322	28.06		27	10	25		5 L.		14.63	7.43	780	7.3	-88	3.3
1325	28.06		27	10	25		6 L.		14.63	7.45	776	5.7	-94	2.7
1330	28.06		27	10	25		7 L.		14.61	7.47	773	5.1	-97	2.7
1333	28.06		27	10	25		8 L.		14.54	7.49	769	3.9	-99	2.3
1337	28.06		27	10	25		9 L.		14.60	7.50	766	4.3	-100	2.6
1341	28.06		27	10	25		10 L.	1343	14.61	7.51	763	4.5	-102	2.2
								1358						

Sample Time 1343 / 1351 Signature

Groundwater Sampling Record

Site Name: Champaign Former MGP
Sampler(s): Bignell/Cravens
Sampler: Hydrolab Quanta
Type/EQ: Dedicated Bladder Pump
Notes: 1x well vol. = 1.5 gal

Weather Conditions: Clear, ~65°F, wind < 5 mph

Well ID: UMW - 121
Date: 5-21-08
Well Depth: 15.00
Water Level: 6.29' mp
Product Thickness:

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
~~1119~~	~~6.61~~	6.50'	14	5	45				—	—	—	—	—	—
1122	6.63		14	5	45	0			15.82	7.46	624	12.7	167	59.4
1138	6.73		14	5	45	1			14.44	7.29	621	58.1	162	33.2
1155 *	6.79		14	5	45	2			14.83	7.16	619	20.9	155	30.1
1206	6.90		14	5	30	3			14.39	7.13	622	13.6	152	30.3
1214	6.90		14	5	30	4			14.31	7.12	621	9.8	148	28.6
1222 *	6.91		14	5	30	5			14.21	7.11	620	8.1	141	28.2
1228	7.00		14	5	25	6			13.11	7.12	618	5.7	121	26.2
1234	7.02		14	5	25	7		1240	14.26	7.09	614	5.4	95	24.3
								1256						

Sample Time: 1240
Signature:

* Adjusted fill time to 30 after readings
** " fill time to 25

Groundwater Sampling Record

Site Name: Champaign Former MGP

Sampler(s): Bissell / Cravens

Sampler: Hydraulic Quantra

Type/EQ: Dedicated Bladder Pump

Notes: 1x well vol. = 2 gals.

Weather Conditions: Clear, ~56°F, wind NE 10-15 mph

Well ID: UMW - 105

Date: 5-21-08

Well Depth: 19.30

Water Level: 6.91 mp

Product Thickness:

* impeller turned on for D.O.; changed some parameter values.

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters					
									(C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
0844	6.96		14	5	35									
0853	7.32		14	5	35		—		14.88	8.27	1010	3.48	228	5.63
0908	8.27		14	5	35		1 L.		14.64	7.57	931	3.84	214	18.6
0920	8.78		14	5	40/50		2 L.		14.36	7.44	906	3.16	206	14.9
0933	9.21		14	5	55		3 L.		15.81	7.42	900	3.50	196	12.0
0954	9.20		14	5	55		4 L.		15.65	7.44	891	3.04	189	10.7
1016	9.33		14	5	55		5 L.		15.90	7.45	888	3.26	181	10.3
1030	9.39		14	5	60		5.5	*	15.17	7.44	887	8.91	170	13.1
1037	4.39		14	5	60		6 L.	1041	15.07	7.46	885	3.95	134	13.0
NOTE								1110						

Sample Time: 1041

Signature:

Groundwater Sampling Record

Site Name: Champaign Former MGP
Weather Conditions: 55° Clear
Sampler(s): JVK
Sampler: GEO Control Pro
Type/EQ: Dedicated Bladder Pump
Notes:

Well ID: UMW - 111A
Date: 4-22-08
Well Depth: 22.50
Water Level: 8.145
Product Thickness: N/A

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
10:25	8.145	10:35		7	35	L	0							
11:00	10.44			5	60		1		19.56	7.55	0.445	2.5	101	35.4
11:30	19.89			5	60		2		18.86	7.52	0.426	2.2	160	28.1
11:46	11.33						2.5		18.66	7.50	0.428	2.0	186	27.9
								11:50						
								TO						
								11:40						

Sample Time: 11:50
Signature: [signature]

Groundwater Sampling Record

Site Name: Champaign Former MGP

Weather Conditions: [illegible] Clear

Sampler(s): JVL

Sampler: GEO Control Pro

Type/EQ: Dedicated Bladder Pump

Notes: Sample time due to water level 7.7 ft below screen

Well ID: UMW - 109

Date: 5-22-07

Well Depth: 14.60

Water Level: 6.72

Product Thickness: N/A

Time	Water Level	Begin Removal	Pressure (psi)	Fill (sec)	Pump (sec)	Removal Rate	Removal Volume	Sample Start/End	Water Quality Parameters: (C) Temp	pH	(uS/cm) Cond.	(NTU) Turbidity	ORP	(%) DO
14:15	6.72	14:25	14	40	5	L	0		17.50					
14:46	8.15		14	40	5		1		17.56	7.21	0.539	45	89	15.7
15:14	9.85		1	60	5		2		18.84	7.20	0.537	18	129	16.0
15:37	9.59		1	60	5		2.75		18.85	7.23	0.536	13	146	17.5
								15:40 to 16:48						

Sample Time 15:40

Signature [illegible]

APPENDIX C

Well Construction and Development Logs

PSC

Well Number UMW-117

WELL INSTALLATION RECORD

Serial No. WIR-

Borehole Number (if different) B-840

Project Name AmerenIP Champaign

Project No. 62403053

Client Company AmerenIP

Cost Code. 024501

Site Name

Site Address 308 N. 5th, Champaign IL

Well Diameter 2 inches

Well Type
- [X] Monitoring Well
- [ ] Piezometer
- [ ] Recovery Well
  - [ ] Other

Permit
- Number
- Date

Conductor Casing [X] None
(To seal off upper water-bearing zones)
- Diameter ____ inches
- Material
- Length ____ feet
- Depth to Bottom of Casing ____ feet
- Seal Material

Well Construction Details

Well Component	Material (specify type)				Length (feet)	Depth Below Grade (feet)	
	PVC	Stainless Steel	Teflon	Other		Bottom	Top
Borehole							
Bottom Cap/Plug	X						
Sump (Tailpipe below screen)							Same as bottom of screen
Screen [Slot Size: 0.010 in.]	X				10	15	5
Riser (Blank Casing above Screen)	X				5	Same as top of screen.	0.33

Annular Fill Materials

Use minus sign if top of riser is above ground.

Component	Material Name/Description	Quantity (No. of Bags/ Volume per Bag)	Tremied		Depth Below Grade (feet)	
		50 lb.	Yes	No	Bottom	Top
Plug beneath sand pack						
Sand Pack	Unimin FilterSil WG1	6			15	6
Bentonite Seal	Pure Gold Medium Chips	2			6	2
Grout Seal	Cement/Bentonite Mix					
Backfill (if any)	Sand	1			2	0.5
Surface Seal	Concrete	6			0.5	0

Well Cover
Finish
- [ ] Stick-up
- [X] Flush
- [ ] Vault

Material
- [ ] Steel
- [ ] Aluminum

Lock
- [X] Yes
  - Lock Number 2532
- [ ] No

Measuring Point
- [X] Top of Riser
- [ ] Top of Cover

Well Collision Protectors Installed?
- [ ] Yes
  - Quantity
- [ ] No

Comments Well placed in backyard of W. Claiborne's rental house at 5th and Hill.

Recorded by (print name) L. Hoosier

Signature Leslie Hoosier Date 4-15-08 Reviewer Date

PSC

Well Number UMW-118

Serial No. WIR-

WELL INSTALLATION RECORD

Borehole Number (if different) B-800

Project Name AmerenIP Champaign

Project No. 62403053

Client Company AmerenIP

Cost Code 024501

Site Name

Site Address 308 N 5th, Champaign IL

Well Diameter 2 inches

Well Type
- [X] Monitoring Well
- [ ] Piezometer
- [ ] Recovery Well
  - [ ] Other

Permit
- Number
- Date

Conductor Casing [X] None
(To seal off upper water-bearing zones)
- Diameter ____ inches
- Material
- Length ____ feet
- Depth to Bottom of Casing ____ feet
- Seal Material

Well Construction Details

Well Component	Material (specify type)				Length (feet)	Depth Below Grade (feet)	
	PVC	Stainless Steel	Teflon	Other		Bottom	Top
Borehole							
Bottom Cap/Plug	X						
Sump (Tailpipe below screen)							Same as bottom of screen
Screen [Slot Size: 0.010 in.]	X					15	5
Riser (Blank Casing above Screen)	X				5	Same as top of screen.	0.33

Annular Fill Materials

Use minus sign if top of riser is above ground.

Component	Material Name/Description	Quantity (No. of Bags/ Volume per Bag)	Tremied		Depth Below Grade (feet)	
		50 lb	Yes	No	Bottom	Top
Plug beneath sand pack		—				
Sand Pack	Unimin FilterSil WG1	7			15	4
Bentonite Seal	Pure Gold Medium Chips	1/2			4	2.5
Grout Seal	Cement/Bentonite Mix	—				
Backfill (if any)		—				
Surface Seal	Concrete	7			2.5	0

Well Cover
Finish
- [ ] Stick-up
- [X] Flush
- [ ] Vault

Material
- [ ] Steel
- [ ] Aluminum

Lock
- [X] Yes
  - Lock Number 2532
- [ ] No

Measuring Point
- [X] Top of Riser
- [ ] Top of Cover

Well Collision Protectors Installed?
- [ ] Yes
  - Quantity
- [ ] No

Comments Well placed in yard at 408 N. 5th

Recorded by (print name) L. Hoosier

Signature Leslie Hoosier Date 4-14-08 Reviewer Date

PSC

Well Number MW-119

Serial No. WIR-

WELL INSTALLATION RECORD

Borehole Number (if different) B-849

Project Name AmerenIP Champaign

Project No. 124103053

Client Company AmerenIP

Cost Code. 024501

Site Name

Site Address 308 N. 5th, Champaign, IL

Well Diameter 2 inches

Well Type
- [X] Monitoring Well
- [ ] Piezometer
- [ ] Recovery Well
  - [ ] Other

Permit
- Number
- Date

Conductor Casing [X] None
(To seal off upper water-bearing zones)
- Diameter ____ inches
- Material
- Length ____ feet
- Depth to Bottom of Casing ____ feet
- Seal Material

Well Construction Details

Well Component	Material (specify type)				Length (feet)	Depth Below Grade (feet)	
	PVC	Stainless Steel	Teflon	Other		Bottom	Top
Borehole							
Bottom Cap/Plug	X						
Sump (Tailpipe below screen)							Same as bottom of screen
Screen [Slot Size: 0.010 in.]	X				10	15	5
Riser (Blank Casing above Screen)	X				5	Same as top of screen.	0

Annular Fill Materials

Use minus sign if top of riser is above ground.

Component	Material Name/Description	Quantity (No. of Bags/ Volume per Bag)	Tremied		Depth Below Grade (feet)	
		50lb.	Yes	No	Bottom	Top
Plug beneath sand pack						
Sand Pack	Unimin FilterSil WG1	8			15	4
Bentonite Seal	Pure Gold Medium Chips	2			4	2.5
Grout Seal	Cement/Bentonite Mix					
Backfill (if any)	Sand				2.5	2.0
Surface Seal	Concrete	10			2	0

Well Cover

Finish
- [ ] Stick-up
- [X] Flush
- [ ] Vault

Material
- [ ] Steel
- [ ] Aluminum

Lock
- [X] Yes
  - Lock Number 2532
- [ ] No

Measuring Point
- [X] Top of Riser
- [ ] Top of Cover

Well Collision Protectors Installed?
- [ ] Yes
  - Quantity
- [ ] No

Comments

Recorded by (print name) L. Hoosier

Signature Leslie Hoosier Date 5-7-08 Reviewer Date

WELL INSTALLATION RECORD

Well Number UMW-120

Serial No. WIR-

Borehole Number (if different) B-805

Project Name Ameren IP Champaign

Project No. 62403053

Client Company Ameren IP

Cost Code. 024501

Site Name

Site Address 308 N. 5th, Champaign IL

Well Diameter 2 inches

Well Type
- ☒ Monitoring Well
- ☐ Piezometer
- ☐ Recovery Well
  - ☐ Other

Permit
- Number
- Date

Conductor Casing ☒ None
(To seal off upper water-bearing zones)
- Diameter ____ inches
- Material
- Length ____ feet
- Depth to Bottom of Casing ____ feet
- Seal Material

Well Construction Details

Well Component	Material (specify type)				Length (feet)	Depth Below Grade (feet)	
	PVC	Stainless Steel	Teflon	Other		Bottom	Top
Borehole							
Bottom Cap/Plug	X						
Sump (Tailpipe below screen)							Same as bottom of screen
Screen [Slot Size: 0.010 in.]	X				10	15	5
Riser (Blank Casing above Screen)	X				5	Same as top of screen.	0.33

Annular Fill Materials

Use minus sign if top of riser is above ground.

Component	Material Name/Description	Quantity (No. of Bags/ Volume per Bag)	Tremied		Depth Below Grade (feet)	
		50lb	Yes	No	Bottom	Top
Plug beneath sand pack						
Sand Pack	Unimin FilterSil WG1	8			15	4
Bentonite Seal	Pure Gold Medium Chips	1			4	2.5
Grout Seal	Cement/Bentonite Mix					
Backfill (if any)	Sand				2.5	2
Surface Seal	Concrete				2	0

Well Cover
Finish
- ☐ Stick-up
- ☒ Flush
- ☐ Vault

Material
- ☐ Steel
- ☐ Aluminum

Lock
- ☒ Yes
  - Lock Number 2532
- ☐ No

Measuring Point
- ☒ Top of Riser
- ☐ Top of Cover

Well Collision Protectors Installed?
- ☐ Yes
  - Quantity
- ☐ No

Comments Well in backyard of house at 6th & Washington. Drilled to 16 ft; Sand from 16' to 15' (1.5 bags); Screen from 15 to 5.

Recorded by (print name) L. Hoosier

Signature Leslie Hoosier Date 4-9-08 Reviewer Date

PSC

Well Number UMW-121

WELL INSTALLATION RECORD

Serial No. WIR-

Borehole Number (if different)

Project Name Ameren IP Champaign

Project No. 62403053

Client Company Ameren IP

Cost Code. 024501

Site Name

Site Address 308 N. 5th, Champaign IL

Well Diameter 2 inches

Well Type
- ☒ Monitoring Well
- ☐ Piezometer
- ☐ Recovery Well
  - ☐ Other

Permit
- Number
- Date

Conductor Casing ☒ None
(To seal off upper water-bearing zones)
- Diameter ____ inches
- Material
- Length ____ feet
- Depth to Bottom of Casing ____ feet
- Seal Material

Well Construction Details

Well Component	Material (specify type)				Length (feet)	Depth Below Grade (feet)	
	PVC	Stainless Steel	Teflon	Other		Bottom	Top
Borehole							
Bottom Cap/Plug							
Sump (Tailpipe below screen)							Same as bottom of screen
Screen [Slot Size: 0.010 in.]	X				10	15	5
Riser (Blank Casing above Screen)	X				5	Same as top of screen.	0

Annular Fill Materials

Use minus sign if top of riser is above ground.

Component	Material Name/Description	Quantity (No. of Bags/ Volume per Bag)	Tremied		Depth Below Grade (feet)	
		50 lb	Yes	No	Bottom	Top
Plug beneath sand pack						
Sand Pack	Unimin FilterSil WG1	8			15	4
Bentonite Seal	Pure Gold Medium Chips	1			4	2
Grout Seal	Cement/Bentonite Mix					
Backfill (if any)	Sand					
Surface Seal	Concrete	6			2	0

Well Cover

Finish
- ☐ Stick-up
- ☒ Flush
- ☐ Vault

Material
- ☐ Steel
- ☐ Aluminum

Lock
- ☒ Yes
  - Lock Number 2532
- ☐ No

Measuring Point
- ☒ Top of Riser
- ☐ Top of Cover

Well Collision Protectors Installed?
- ☐ Yes
  - Quantity
- ☐ No

Comments Surged sand pack 10 min.

Recorded by (print name) L. Hoosier

Signature Leslie Hoosier Date 4-16-08 Reviewer Date

PSC

Well Number UMW-300

WELL INSTALLATION RECORD

Serial No. WIR-

Borehole Number (if different) B-851

Project Name Ameren IP Champaign

Project No. 02403053

Client Company Ameren IP

Cost Code. 024501

Site Name

Site Address 308 N 5th, Champaign, IL

Well Diameter 2 inches

Well Type
- [x] Monitoring Well
- [ ] Piezometer
- [ ] Recovery Well
  - [ ] Other

Permit
- Number
- Date

Conductor Casing (To seal off upper water-bearing zones) [x] None
- Diameter ____ inches
- Material
- Length ____ feet
- Depth to Bottom of Casing ____ feet
- Seal Material

Well Construction Details

Well Component	Material (specify type)				Length (feet)	Depth Below Grade (feet)	
	PVC	Stainless Steel	Teflon	Other		Bottom	Top
Borehole							
Bottom Cap/Plug							
Sump (Tailpipe below screen)							Same as bottom of screen
Screen [Slot Size: 0.010 in.]	X				10.0'	45.0'	35.0'
Riser (Blank Casing above Screen)	X				35.0'	Same as top of screen.	0.0

Annular Fill Materials

Use minus sign if top of riser is above ground.

Component	Material Name/Description	Quantity (No. of Bags/ Volume per Bag)	Tremied		Depth Below Grade (feet)	
			Yes	No	Bottom	Top
Plug beneath sand pack	N/A					
Sand Pack	Unimin FilterSil WG1	4	X		45.0'	33.0'
Bentonite Seal	Pure Gold Medium Chips	2		X	33.0'	28.0'
Grout Seal	Cement/Bentonite Mix	5 bentonite gal	X		28.0'	1.0'
Backfill (if any)						
Surface Seal	Concrete	6			1.0'	0

Well Cover

Finish
- [ ] Stick-up
- [x] Flush
- [ ] Vault

Material
- [ ] Steel
- [ ] Aluminum

Lock
- [x] Yes
  - Lock Number 2532
- [ ] No

Measuring Point
- [x] Top of Riser
- [ ] Top of Cover

Well Collision Protectors Installed?
- [ ] Yes
  - Quantity
- [ ] No

Comments well set @ 45.0' - no casing. 10 ft screen

Recorded by (print name) L. Hoosier

Signature Leslie Hoosier Date 5-8-08 Reviewer Date

PSC

Well Number MW301

Serial No. WIR-

WELL INSTALLATION RECORD

Borehole Number (if different) —

Project Name AmerenIP Champaign

Project No. 62403553

Client Company AmerenIP

Cost Code. 024501

Site Name

Site Address 308 N. 5th, Champaign, IL

Well Diameter 2 inches

Well Type
- [x] Monitoring Well
- [ ] Piezometer
- [ ] Recovery Well
- [ ] Other

Permit
- Number
- Date

Conductor Casing [ ] None
(To seal off upper water-bearing zones)
- Diameter 6 inches
- Material PVC
- Length 29.5' feet
- Depth to Bottom of Casing 29.5' feet
- Seal Material Grout w/bentonite plug @ bottom

Well Construction Details

Well Component	Material (specify type)				Length (feet)	Depth Below Grade (feet)	
	PVC	Stainless Steel	Teflon	Other		Bottom	Top
Borehole							
Bottom Cap/Plug							
Sump (Tailpipe below screen)							Same as bottom of screen
Screen [Slot Size: 0.010 in.]	X				10.0'	45.0'	35.0'
Riser (Blank Casing above Screen)	X				35.0'	Same as top of screen.	0.0

Annular Fill Materials

Use minus sign if top of riser is above ground.

Component	Material Name/Description	Quantity (No. of Bags/ Volume per Bag)	Tremied		Depth Below Grade (feet)	
			Yes	No	Bottom	Top
Plug beneath sand pack	NA					
Sand Pack	Unimin FilterSil WG1	3 1/2	X		45.0'	33.0'
Bentonite Seal	Pure Gold Medium Chips	1		X	33.0'	28.0'
Grout Seal	Cement/Bentonite Mix	4 1/2 bentonite gel	X		28.0'	1.0'
Backfill (if any)						
Surface Seal	Concrete	6			1.0'	0.0

Well Cover

Finish
- [ ] Stick-up
- [x] Flush
- [ ] Vault

Material
- [ ] Steel
- [ ] Aluminum

Lock
- [x] Yes
  - Lock Number 2532
- [ ] No

Measuring Point
- [x] Top of Riser
- [ ] Top of Cover

Well Collision Protectors Installed?
- [ ] Yes
  - Quantity
- [ ] No

Comments

Recorded by (print name) L. Housier

Signature Leslie Housier Date 5-6-08 Reviewer Date

PSC

Well Number UMW-302

WELL INSTALLATION RECORD

Serial No. WIR-

Borehole Number (if different)

Project Name Ameren IP Champaign

Project No. 62403053

Client Company Ameren

Cost Code. 024501

Site Name

Site Address

Well Diameter _____ inches

Well Type
- ☒ Monitoring Well
- ☐ Piezometer
- ☐ Recovery Well
  - ☐ Other

Permit
- Number
- Date

Conductor Casing ☐ None
(To seal off upper water-bearing zones)
- Diameter 6 inches
- Material PVC
- Length 29.5' feet
- Depth to Bottom of Casing 29.5' feet
- Seal Material Grout w/ bentonite plug @ bottom

Well Construction Details

Well Component	Material (specify type)				Length (feet)	Depth Below Grade (feet)	
	PVC	Stainless Steel	Teflon	Other		Bottom	Top
Borehole							
Bottom Cap/Plug							
Sump (Tailpipe below screen)							Same as bottom of screen
Screen [Slot Size: 0.010 in.]	X				10.0'	45.0'	35.0'
Riser (Blank Casing above Screen)	X					Same as top of screen.	0.0'

Annular Fill Materials

Use minus sign if top of riser is above ground.

Component	Material Name/Description	Quantity (No. of Bags/ Volume per Bag)	Tremied		Depth Below Grade (feet)	
			Yes	No	Bottom	Top
Plug beneath sand pack	NA					
Sand Pack	Unimin FilterSil WG1	3 1/2	X		45.0'	33.0'
Bentonite Seal	Pure Gold Medium Chips	1		X	33.0'	28.0'
Grout Seal	Cement/Bentonite Mix (concrete cement 4 1/2 - bentonite gel)		X		28.0'	1.0'
Backfill (if any)						~~1.0'~~
Surface Seal	Concrete	6			1.0	0

Well Cover
- Finish: ☐ Stick-up ☒ Flush ☐ Vault
- Material: ☐ Steel ☐ Aluminum

Lock
- ☒ Yes
  - Lock Number 2532
- ☐ No

Measuring Point
- ☒ Top of Riser
- ☐ Top of Cover

Well Collision Protectors Installed?
- ☐ Yes
  - Quantity
- ☐ No

Comments Grout completed @ 1600 on 4/15/08, will complete seal on 4/16/08

Seal completed 4/16/08

Recorded by (print name)

Signature Rachael Hueen Date 4/15/08 Reviewer Date

WELL INSTALLATION RECORD

Well Number MW-303

Serial No. WIR-

Borehole Number (if different)

Project Name Ameren IP Champaign

Project No. 62403053

Client Company Ameren IP

Cost Code. 024501

Site Name

Site Address 308 N. 5th, Champaign IL

Well Diameter 2 inches

Well Type
- ☒ Monitoring Well
- ☐ Piezometer
- ☐ Recovery Well
  - ☐ Other

Permit
- Number
- Date

Conductor Casing ☐ None
(To seal off upper water-bearing zones)
- Diameter 6 inches
- Material PVC
- Length feet
- Depth to Bottom of Casing 29.5 feet
- Seal Material

Well Construction Details

Well Component	Material (specify type)				Length (feet)	Depth Below Grade (feet)	
	PVC	Stainless Steel	Teflon	Other		Bottom	Top
Borehole							
Bottom Cap/Plug	X						
Sump (Tailpipe below screen)							Same as bottom of screen
Screen [Slot Size: 0.010 in.]	X				10	45	35
Riser (Blank Casing above Screen)	X				35	Same as top of screen.	0

Annular Fill Materials

Use minus sign if top of riser is above ground.

Component	Material Name/Description	Quantity (No. of Bags/ Volume per Bag)	Tremied		Depth Below Grade (feet)	
			Yes	No	Bottom	Top
Plug beneath sand pack						
Sand Pack	Unimin FilterSil WG1	4			45	33
Bentonite Seal	Pure Gold Medium Chips	1			33	28.1
Grout Seal	Cement/Bentonite Mix	4/1/3941			28.1	1.0
Backfill (if any)						
Surface Seal	Concrete	6				

Well Cover
Finish
- ☐ Stick-up
- ☒ Flush
- ☐ Vault

Material
- ☐ Steel
- ☐ Aluminum

Lock
- ☒ Yes
  - Lock Number 2532
- ☐ No

Measuring Point
- ☒ Top of Riser
- ☐ Top of Cover

Well Collision Protectors Installed?
- ☐ Yes
  - Quantity
- ☐ No

Comments

Recorded by (print name) L. Hoosier

Signature Leslie Hoosier Date 4-17-08 Reviewer Date

PSC

Well Number UMW-304

WELL INSTALLATION RECORD

Serial No. WIR-

Borehole Number (if different) —

Project Name AmerenIP Champaign

Project No. 62403053

Client Company AmerenIP

Cost Code 024501

Site Name

Site Address 308 N 5th, Champaign IL

Well Diameter 2 inches

Well Type
- ☒ Monitoring Well
- ☐ Piezometer
- ☐ Recovery Well
  - ☐ Other

Permit
- Number
- Date

Conductor Casing ☐ None
(To seal off upper water-bearing zones)
- Diameter 6 inches
- Material PVC
- Length 29.5 feet
- Depth to Bottom of Casing 29.5 feet
- Seal Material

Well Construction Details

Well Component	Material (specify type)				Length (feet)	Depth Below Grade (feet)	
	PVC	Stainless Steel	Teflon	Other		Bottom	Top
Borehole							
Bottom Cap/Plug	X						
Sump (Tailpipe below screen)							Same as bottom of screen
Screen [Slot Size: 0.010 in.]	X				10	45	35
Riser (Blank Casing above Screen)	X				35	Same as top of screen.	0

Annular Fill Materials

Use minus sign if top of riser is above ground.

Component	Material Name/Description	Quantity (No. of Bags/ Volume per Bag)	Tremied		Depth Below Grade (feet)	
			Yes	No	Bottom	Top
Plug beneath sand pack						
Sand Pack	Unimin FilterSil WG1	4			45	33
Bentonite Seal	Pure Gold Medium Chips	1			33	28.8
Grout Seal	Cement/Bentonite Mix	4 1/4 gal			28.8	1.0
Backfill (if any)						
Surface Seal	Concrete	6				

Well Cover

Finish
- ☐ Stick-up
- ☒ Flush
- ☐ Vault

Material
- ☐ Steel
- ☐ Aluminum

Lock
- ☒ Yes
  - Lock Number 2532
- ☐ No

Measuring Point
- ☒ Top of Riser
- ☐ Top of Cover

Well Collision Protectors Installed?
- ☐ Yes
  - Quantity
- ☐ No

Comments

6.8

Recorded by (print name) L. Hoosier

Signature Leslie Hoosier Date 4-16-08 Reviewer Date

PSC

date 6/24/08
Well Number UMW-305

WELL INSTALLATION RECORD

Serial No. WIR- —

Borehole Number (if different) B-853

Project Name Ameren IP Champaign

Project No. 60243053

Client Company Ameren

Cost Code. 024501

Site Name Champaign

Site Address

Well Diameter 2.0 inches

Well Type
- [x] Monitoring Well
- [ ] Piezometer
- [ ] Recovery Well
  - [ ] Other

Permit
- Number NA
- Date NA

Conductor Casing (To seal off upper water-bearing zones) [x] None
- Diameter ____ inches
- Material ____
- Length ____ feet
- Depth to Bottom of Casing ____ feet
- Seal Material ____

Well Construction Details

Well Component	Material (specify type)				Length (feet)	Depth Below Grade (feet)	
	PVC	Stainless Steel	Teflon	Other		Bottom	Top
Borehole						45.0'	
Bottom Cap/Plug	X						
Sump (Tailpipe below screen)	—		PLH		0.0		Same as bottom of screen
Screen [Slot Size: 0.010 in.]	X				10.0'	45.0'	35.0'
Riser (Blank Casing above Screen)	X				35.0'	Same as top of screen	~0.5'

Annular Fill Materials Use minus sign if top of riser is above ground.

Component	Material Name/Description	Quantity (No. of Bags/ Volume per Bag)	Tremied		Depth Below Grade (feet)	
			Yes	No	Bottom	Top
Plug beneath sand pack	NA	—	—	—	—	—
Sand Pack #1	Unimin FilterSil WG1	6	X		45.0'	33.0'
Bentonite Seal 1/2	Pure Gold Medium Chips	0.5		X	33.0'	31.0'
Grout Seal	Cement/Bentonite Mix 7 cement 0.5 gel	7.5		X	31.0'	0.5'
Backfill (if any)	NA	—	—	—	—	—
Surface Seal	Concrete	4.5		X	0.5'	0.0'

Well Cover

Finish
- [ ] Stick-up
- [x] Flush
- [ ] Vault

Material
- [ ] Steel
- [ ] Aluminum

Lock
- [x] Yes
  - Lock Number 2532
- [ ] No

Measuring Point
- [ ] Top of Riser
- [ ] Top of Cover

Well Collision Protectors Installed?
- [ ] Yes
  - Quantity ____
- [x] No

Comments well cover completed on 6/25/08
well installed on 6/24/08

Recorded by (print name) Rachael Huson

Signature Rachael Huson Date 6/25/08 Reviewer ____ Date ____

date 6/25/08

Well Number UMW-306

Serial No. WIR- —

WELL INSTALLATION RECORD

Borehole Number (if different) B-854

Project Name Ameren IP Champaign

Project No. 60243053

Client Company Ameren

Cost Code. 024501

Site Name Champaign

Site Address

Well Diameter 2.0 inches

Well Type
- [x] Monitoring Well
- [ ] Piezometer
- [ ] Recovery Well
  - [ ] Other

Permit
- Number NA
- Date NA

Conductor Casing (To seal off upper water-bearing zones) [x] None
- Diameter ____ inches
- Material ____
- Length ____ feet
- Depth to Bottom of Casing ____ feet
- Seal Material ____

Well Construction Details

Well Component	Material (specify type)				Length (feet)	Depth Below Grade (feet)	
	PVC	Stainless Steel	Teflon	Other		Bottom	Top
Borehole						47.0'	
Bottom Cap/Plug	X						
Sump (Tailpipe below screen)	—		RLH		0.0'		Same as bottom of screen
Screen [Slot Size: 0.010 in.]	X				10.0'	47.0'	37.0'
Riser (Blank Casing above Screen)	X				36.5'	Same as top of screen	~0.5'

Annular Fill Materials Use minus sign if top of riser is above ground.

Component	Material Name/Description	Quantity (No. of Bags/ Volume per Bag)	Tremied		Depth Below Grade (feet)	
			Yes	No	Bottom	Top
Plug beneath sand pack	NA	—	—	—	—	—
Sand Pack #1	Unimin FilterSil WG1	6	X		47.0'	35.0'
Bentonite Seal 1/2	Pure Gold Medium Chips	0.5		X	35.0'	33.0'
Grout Seal 1111	Cement/Bentonite Mix cement to gel 1/4	6		X	33.0'	0.5'
Backfill (if any)	NA	—	—	—	—	—
Surface Seal	Concrete	4.5		X	0.5'	0.0'

Well Cover

Finish
- [ ] Stick-up
- [x] Flush
- [ ] Vault

Material
- [ ] Steel
- [ ] Aluminum

Lock
- [x] Yes
  - Lock Number 2532
- [ ] No

Measuring Point
- [ ] Top of Riser
- [ ] Top of Cover

Well Collision Protectors Installed?
- [ ] Yes
  - Quantity ____
- [x] No

Comments well cover completed on 6/25/08
well installed on 6/25/08

Recorded by (print name) Rachael Husan

Signature Rachael Husan Date 6/25/08 Reviewer ____ Date ____

PSC

Well Number UMW-307

Serial No. WIR- —

WELL INSTALLATION RECORD

Borehole Number (if different) B-855

Project Name Ameren IP Champaign

Project No. 60243053

Client Company Ameren

Cost Code. 024501

Site Name Champaign

Site Address _____

Well Diameter 2.0 inches

Well Type
- ☒ Monitoring Well
- ☐ Piezometer
- ☐ Recovery Well
- ☐ Other _____

Permit
- Number NA
- Date —

Conductor Casing (To seal off upper water-bearing zones) ☒ None
- Diameter _____ inches
- Material _____
- Length _____ feet
- Depth to Bottom of Casing _____ feet
- Seal Material _____

Well Construction Details

Well Component	Material (specify type)				Length (feet)	Depth Below Grade (feet)	
	PVC	Stainless Steel	Teflon	Other		Bottom	Top
Borehole						47.0'	
Bottom Cap/Plug	X						
Sump (Tailpipe below screen)	—		RLH		0	—	Same as bottom of screen
Screen [Slot Size: 0.010 in.]	X				10.0	47.0'	37.0'
Riser (Blank Casing above Screen)	X				36.5	Same as top of screen	0.5'

Annular Fill Materials Use minus sign if top of riser is above ground.

Component	Material Name/Description	Quantity (No. of Bags/ Volume per Bag)	Tremied		Depth Below Grade (feet)	
			Yes	No	Bottom	Top
Plug beneath sand pack	—	—	—	—	—	—
Sand Pack	Unimin FilterSil WG1	4.0	X		47.0'	35.0'
Bentonite Seal	Pure Gold Medium Chips	<0.5		X	35.0'	33.0'
Grout Seal	Cement/Bentonite Mix	6 cement + 0.5 bel		X	33.0	0.5'
Backfill (if any)	—	—	—	—	—	—
Surface Seal	Concrete			X	0.5'	0.0'

Well Cover
- Finish: ☐ Stick-up ☒ Flush ☐ Vault
- Material: ☐ Steel ☐ Aluminum

Lock
- ☒ Yes — Lock Number 2532
- ☐ No

Measuring Point
- ☐ Top of Riser
- ☐ Top of Cover

Well Collision Protectors Installed?
- ☐ Yes — Quantity _____
- ☒ No

Comments well installed on 6/26/08

well cover installed on 6/26/08

Recorded by (print name) Rachael Husar

Signature Rachael Husar Date 6/26/08 Reviewer _____ Date _____

PSC

BORING/WELL CONSTRUCTION LOG

Project:	Boring No.:	Page(s):
Ameren IP Champaign	UMW-302	1 of 1
Client: AmerenCIPS (Ameren Services)	**Project #:**	**Date:** 4/9/08
Location:	**Coordinates:** N E	**Elevation (datum):**

Drilling Company:	Driller:	Logger:
PSC	J. Bignall	R. Huson

WELL CONSTRUCTION SUMMARY

Depth (ft)	Casing	Depth (ft)	Annulus	Surface Completion
___ to ___		___ to ___		
___ to ___		___ to ___		
___ to ___		___ to ___		
___ to		___ to		

Depth (ft)	SAMPLE TYPE / CORE SIZE	SAMPLE NUMBER / RUN NUMBER	1ST 6" / RUN LENGTH	2ND 6" / RUN RECOVERY	3RD 6" / RQD RECOVERY	4TH 6" / PERCENT RECOVERY	SAMPLE RECOVERY / RQD	PID (ppm)	Description (Modifier and Main Soil; color; impact; consistency/density/; odor; moisture; USCS (Refer to Ameren Standard Descriptions))
									Time started: 1000
1-									
2-									
3-									10-15' ~~5.0-10.0'~~ - yellowish brown (to gray) SILTY CLAY; cuttings @ auger depth of ~~8.0-10.0'~~ coming up wet ~13.0
4-									
5-									
6-									@ depth (~29.5) @ 1130 (w/cleanup)
7-									
8-									
9-									
0-									
1-									
2-									
3-									
4-									
5-									
6-									
7-									
8-									
9-									
0-									

Notes:

PSC

BORING/WELL CONSTRUCTION LOG

Project: Ameren IP Champaign	Boring No.: MW-303	Page(s): 1 of 1
Client: AmerenCIPS (Ameren Services)	Project #: 62403053.0250	Date: 4/14/08
Location:	Coordinates: N E	Elevation (datum):
Drilling Company: PSC	Driller: J. Bignall	Logger: R. Hudson

WELL CONSTRUCTION SUMMARY

Depth (ft)	Casing	Depth (ft)	Annulus	Surface Completion
___ to ___		___ to ___		
___ to ___		___ to ___		
___ to ___		___ to ___		
to		to		

Depth (ft)	SAMPLE TYPE	SAMPLE NUMBER	1ST 6"	2ND 6"	3RD 6"	4TH 6"	SAMPLE RECOVERY	CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	RQD RECOVERY	PERCENT RECOVERY	RQD	PID (ppm)	Description
1-																- drilling to depth + setting casing logging cuttings ~~start~~ Drilling start time 1040
2-																Top ~1-2' Topsoil
3-																0-5' - no cuttings brought to surface
4-																5-~~10.0~~ no cuttings brought to surface
5-																10.0' Augers @ 10.0', cuttings yellowish brown, SILTY CLAY, wet Sandy
6-																- Placed 6 ~~8~~ bags of bentonite chips around auger for plug.
7-																10.0' - 15.0' Same color ~~hydrocarbon~~ coal tar - like odor using drilling fluid (Pure ~~Gel~~ Gel)
8-																15'-20.0' - Augers at 20.0' - cuttings yellowish
9-																gray SILTY CLAY w/ sand, coal tar like -
0-																odor ~~0.2~~ but moderate odor
1-																20.0' - Auger cuttings ↓ light gray SILTY CLAY w/ gravel (TILL),
2-																coal tar-like odor, wet (due to drilling fluid)
3-																25.0' - Slight coal tar like odor
4-																~~1445~~ 1345 - Boring terminated @ 30.0', mixing
5-																grout for well. Grout mixture 10 bags cement,
6-																1 bag Pure gold gel, Grouting @ 1430
7-																1515 - set casing
8-																1520 - pulling augers
9-																~~4/15~~ RH
0-																

Notes:

PSC

BORING/WELL CONSTRUCTION LOG

Project: Ameren IP Champaign MGP	Boring No.: MW-303	Page(s): 1 of 1
Client: AmerenCIPS (Ameren Services)	Project #: 162403053	Date: 4-17-08
Location: Champaign, IL	Coordinates: N E	Elevation (datum):
Drilling Company: PSC	Driller: Bignall / Crank	Logger: L. Hoosier

WELL CONSTRUCTION SUMMARY

Depth (ft)	Casing	Depth (ft)	Annulus	Surface Completion
___ to ___		___ to ___		
___ to ___		___ to ___		
___ to ___		___ to ___		
___ to		___ to		

Depth (ft)	SAMPLE TYPE	SAMPLE NUMBER	1ST 6"	2ND 6"	3RD 6"	4TH 6"	SAMPLE RECOVERY	CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	ROD RECOVERY	PERCENT RECOVERY	ROD	PID (ppm)	Description (Modifier and Main Soil; color; impact; consistency/density/; odor; moisture; USCS (Refer to Ameren Standard Descriptions))
33-34	SS	1	8	15	16	17	18"									Silty clay with gravel; (TILL) gray; no odor; damp (CL)
34-35																Sand @ 34.0' - Med. to coarse grained - wet (SP)
38-39	SS	2	4	5	8	10	20"									Silty clay with trace gravel and f.g. sand; (TILL) Lt. brownish gray; no odor; moist (CL)
43-44	SS	3	7	11	14	16	8"									Silty clay with trace gravel; (TILL) gray; no odor; damp (CL)
45																TOB @ 45.0'
																- See well Installation Record - MW-303
																Leslie Hoosier

Notes: Mud rotary 29.5' to 45.0'

PSC

BORING/WELL CONSTRUCTION LOG

Project: Ameren IP Champaign		Boring No.: VMW-304	Page(s): of
Client: AmerenCIPS (Ameren Services)		Project #: 624030530245O1	Date: 4/7/08
Location: Champaign, IL	Coordinates: N E		Elevation (datum):
Drilling Company: PSC	Driller: J. Crank	Logger: R. Busa	

WELL CONSTRUCTION SUMMARY

Depth (ft)	Casing	Depth (ft)	Annulus	Surface Completion
___ to ___		___ to ___		
___ to ___		___ to ___		
___ to ___		___ to ___		
___ to		___ to		

Depth (ft)	SAMPLE TYPE	SAMPLE NUMBER	1ST 6"	2ND 6"	3RD 6"	4TH 6"	SAMPLE RECOVERY	CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	RQD RECOVERY	PERCENT RECOVERY	RQD	PID (ppm)	Description
fill																Logged Auger cuttings: (12" ID)
2																Auger depth 10.0', cuttings on surface are silty CLAY, dark brown to black, stiff, moderate odor (mgp-like)
3																15.0' - drilling fluid added (Pure-Gold-GEL)
4																18.0' (Auger depth) - color change to light brownish gray, wet
5																
6																20.0' (Auger depth, same as above; moderate odor (mgp-like), wet
7																23.0' (Auger depth) color change to light gray, material stiff (no odor)
8																
9																25.0' - (Auger depth) cuttings silty CLAY w/ gravel (TILL); light gray; stiff, no odor, damp
10																
1																30.0' - Auger depth, same as above, bottom of boring @ 1400
2																
3																1500 - mixing concrete
4																1520 - grouting - bottom of casing @ ~~29.5'~~ 29.47' BLH
5																1632 - finish grouting
6																
7																
8																
9																
10																

Notes:

PSC

BORING/WELL CONSTRUCTION LOG

Project: Champaign MGP	Boring No.: UMW-304	Page(s): 1 of 1
Client: AmerenCIPS (Ameren Services)	Project #: 62403053	Date: 4-16-08
Location: Champaign IL	Coordinates: N E	Elevation (datum):
Drilling Company: PSC	Driller: Bignall / Crank	Logger: L. Hoosier

WELL CONSTRUCTION SUMMARY

Depth (ft)	Casing	Depth (ft)	Annulus
___ to ___		___ to ___	
___ to ___		___ to ___	
___ to ___		___ to ___	
___ to		___ to	

Surface Completion

Depth (ft)	SAMPLE TYPE	SAMPLE NUMBER	1ST 6"	2ND 6"	3RD 6"	4TH 6"	SAMPLE RECOVERY	CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	RQD RECOVERY	PERCENT RECOVERY	RQD	PID (ppm)	Description
30																
31																
32																
33																Silty clay with gravel; (TILL); gray; no visible impact; stiff; no odor; damp (CL)
34	SS	1	4	7	10	18	22"									
35																Sand @ 35' med to coarse grained; no visible impact; dense; no odor; wet (SP)
36																
37																
38																
39	SS	2	10	14	18	22	20"									Sand; med. to coarse grained; no visible impact; dense; no odor; wet (SP)
40																
41																
42																
43																
44	SS	3	5	8	11	15	24"									Silty clay with gravel and sand; (TILL); gray; no visible impact; very stiff; no odor; damp (CL)
45																
46																TOB @ 45.0'
47																— See Well Installation Record — UMW-304
48																
49																Leslie Hoosier
50																

Notes: Mud rotary 29.5' to 45.0'

0 - 29.5' - Casing (bottom of casing @ 29.5')

WELL DEVELOPMENT AND PURGING DATA

Well Number UMW-117

Serial No. WDPD-

Page 1 of 1

Project Name Champaign MGP | Project Manager Derek Ingram | Project No. 62403053

Client Company AmerenIP | Cost Code 024501

Site Name | Site Address 308 N 5th, Champaign

Development Criteria

LH ☒ 3 to 5 Casing Volumes of Water Removal
☐ Stabilization of Indicator Parameters
☒ Other 10 well volumes max.

Methods of Development

Pump	Bailer
☐ Centrifugal	☐ Bottom Valve
☐ Submersible	☐ Double Check Valve
☐ Peristaltic	☐ Stainless-steel Kemmerer

☒ Other Whale

Water Volume Calculation

Initial Depth of Well (feet) 15.0
Initial Depth to Water (feet) 7.0
Height of Water Column in Well (feet) 8.0
Diameter (inches): Well 2" Gravel Pack

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing	0.214	1.31	5.24
Gravel Pack			---
Drilling Fluids			---
Total			

Instruments

	Serial No. (If applicable)
☒ pH Meter	Myron
☐ DO Monitor	
☒ Conductivity Meter	Myron
☒ Temperature Meter	Myron
☐ Quanta	

Turbidity - La Motte

Water Disposal: Poly Tank on site.

Water Removal Data

ft X 0.1632gal/ft = 1.31 gal X 4 = 5.24 gal

Date	Time	Development Method: Pump	Development Method: Bailer	Removal Rate (gal/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (gallons): Increment	Water Volume Removed (gallons): Cumulative	Product Volume Removed (gallons): Increment	Product Volume Removed (gallons): Cumulative	Temperature (°C)	pH	Conductivity (mmhos/cm)	Dissolved Oxygen (mg/L)	Comments
4-29-08	1507	X			15'		2		N/A	N/A					Very turbid, silty
4-30-08	1007	X						2.5			11.1	7.06	612		brown
4-30-08	1009	X						3.0			11.2	7.01	610.6		
	1041							14			—	—	—		Very turbid

Circle the date and time that the development criteria are met.

Comments Returned 4/30 after well recharged. Pumped 6 gal. - still turbid. A total of 10 well volumes were pumped out + still turbid. Closed well @ 1041 on 4/30.

Developer's Signature(s) Leslie Hoosier Date 4-29-08 / 4-30-08 LH Reviewer _____ Date _____

WELL DEVELOPMENT AND PURGING DATA

Well Number UMW-121

Serial No. WDPD-

Project Name Champaign MGP | Project Manager Derek Ingram | Project No. 02403053

Client Company Ameren IP | Cost Code 024501

Site Name | Site Address 308 N. 5th, Champaign IL

Development Criteria

LH ☒ 3 to 5 Casing Volumes of Water Removal
☒ Stabilization of Indicator Parameters
☒ Other 10 well volumes max.

Methods of Development

Pump	Bailer
☐ Centrifugal	☐ Bottom Valve
☐ Submersible	☐ Double Check Valve
☐ Peristaltic	☐ Stainless-steel Kemmerer

☒ Other Whale

Water Volume Calculation

Initial Depth of Well (feet) 15.0'
Initial Depth to Water (feet) 6.86'
Height of Water Column in Well (feet) 8.14
Diameter (inches): Well 2 Gravel Pack

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			---
Drilling Fluids			---
Total			6.6

Instruments

	Serial No. (If applicable)
☒ pH Meter	Myron
☐ DO Monitor	N/A
☒ Conductivity Meter	Myron
☒ Temperature Meter	Myron
☐ Quanta	N/A

Turbidity - LaMotte

Water Disposal

Poly Tank on site

Water Removal Data

ft X 0.1632gal/ft = 1.32 gal X 5 = 6.6 gal

Date	Time	Development Method		Removal Rate (gal/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (gallons)		Product Volume Removed (gallons)		Temperature (°C)	pH	Conductivity (mmhos/cm)	Dissolved Oxygen (mg/L)	Comments
		Pump	Bailer				Increment	Cumulative	Increment	Cumulative					
4/30/08	0955	X			15'			16	N/A	N/A	—	—	—	—	Very turbid - no readings
															Silty, brown

Circle the date and time that the development criteria are met.

Comments Pumped 16 gallons + still very turbid. Unable to get any readings. Closed well @ 1115.

Developer's Signature(s) Leslie Hoosier | Date 4-30-08 | Reviewer | Date

WELL DEVELOPMENT AND PURGING DATA

Well Number MW-11B

Serial No. WDPD-

Project Name Champaign MGP

Project Manager Derek Ingram

Project No. 62403053

Client Company AmerenIP

Cost Code 024501

Site Name

Site Address

Development Criteria

- ☐ 3 to 5 Casing Volumes of Water Removal
- ☐ Stabilization of Indicator Parameters
- ☒ Other 10 casing Volumes max.

Methods of Development

Pump	Bailer
☐ Centrifugal	☐ Bottom Valve
☐ Submersible	☐ Double Check Valve
☐ Peristaltic	☐ Stainless-steel Kemmerer

☒ Other Whale

Water Volume Calculation

Initial Depth of Well (feet) 15.00

Initial Depth to Water (feet) 7.09

Height of Water Column in Well (feet) 7.91

Diameter (inches): Well 2" Gravel Pack

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing	0.16	1.29	5.16
Gravel Pack	-	-	---
Drilling Fluids		-	---
Total			-

Instruments

	Serial No. (If applicable)
☒ pH Meter	MYRON
☐ DO Monitor	-NA-
☒ Conductivity Meter	MYRON
☒ Temperature Meter	MYRON
☐ Quanta	-NA-

Water Disposal

Stored on site

Water Removal Data

ft X 0.1632gal/ft = gal X 5 = 5.20 gal

Date	Time	Development Method		Removal Rate (gal/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (gallons)		Product Volume Removed (gallons)		Temperature (°C)	pH	Conductivity (mmhos/cm)	Dissolved Oxygen (mg/L)	Comments
		Pump	Bailer				Increment	Cumulative	Increment	Cumulative					
4/30/08	07:57	X			15'		2	0	NA	NA					very turbid, Grey
								2							
								4							
								6							
								8							silty, Sandy
								10							silty, Sandy
4/30/08															

Circle the date and time that the development criteria are met.

Comments

Developer's Signature(s) John R. Dabbe Date 4/30/08 Reviewer Date

PSC

Well Number UMW-120

Serial No. WDPD-

WELL DEVELOPMENT AND PURGING DATA

Project Name Champaign MGP | Project Manager Derek Ingram | Project No. 62403053

Client Company AmerenUP | Cost Code 024501

Site Name | Site Address 308 N. 5th, Champaign

Development Criteria

- [x] 3 to 5 Casing Volumes of Water Removal
- [ ] Stabilization of Indicator Parameters
- [x] Other 10 well volumes max.

Methods of Development

Pump	Bailer
☐ Centrifugal	☐ Bottom Valve
☐ Submersible	☐ Double Check Valve
☐ Peristaltic	☐ Stainless-steel Kemmerer

☒ Other Whale

Water Volume Calculation

Initial Depth of Well (feet) 15.0'

Initial Depth to Water (feet) 5.065

Height of Water Column in Well (feet) 9.93

Diameter (inches): Well 2" Gravel Pack

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			---
Drilling Fluids			---
Total			

Instruments

	Serial No. (If applicable)
☒ pH Meter	Myron
☐ DO Monitor	
☒ Conductivity Meter	Myron
☒ Temperature Meter	Myron
☐ Quanta	

Water Disposal

Poly Tank - on site

Water Removal Data

ft X 0.1632gal/ft = 1.62 gal X 5 = 8.11 gal

Date	Time	Development Method		Removal Rate (gal/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (gallons)		Product Volume Removed (gallons)		Temperature (°C)	pH	Conductivity (mmhos/cm)	Dissolved Oxygen (mg/L)	Comments
		Pump	Bailer				Increment	Cumulative	Increment	Cumulative					
4-30-08	15:40	X			15				NA	NA					Very turbid
4-30-08															

Circle the date and time that the development criteria are met.

Comments Purged 10 well volumes - very turbid. Closed well @ 1613

Developer's Signature(s) Leslie Hosier Date 4-30-08 Reviewer _____ Date _____

WELL DEVELOPMENT AND PURGING DATA

Well Number UMW-302

Serial No. WDPD-

Project Name Ameren IP Champaign | Project Manager Derek Ingram | Project No. 62403053

Client Company Ameren IP | Cost Code 024501

Site Name | Site Address 308 N 5th, Champaign

Development Criteria

- [x] 3 to 5 Casing Volumes of Water Removal
- [ ] Stabilization of Indicator Parameters
- [ ] Other

Methods of Development

Pump	Bailer
☐ Centrifugal	☐ Bottom Valve
☐ Submersible	☐ Double Check Valve
☐ Peristaltic	☐ Stainless-steel Kemmerer

- [x] Other Whale

Water Volume Calculation

Initial Depth of Well (feet) 45.0'

Initial Depth to Water (feet) 28.36'

Height of Water Column in Well (feet) 16.64

Diameter (inches): Well 2" Gravel Pack

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			---
Drilling Fluids			---
Total			

Instruments

	Serial No. (If applicable)
[x] pH Meter	Myron
☐ DO Monitor	N/A
[x] Conductivity Meter	Myron
[x] Temperature Meter	Myron
☐ Quanta	N/A

Water Disposal

Poly tank on site

Water Removal Data

ft X 0.1632gal/ft = 2.71 gal X 4 = 10.84 gal

Date	Time	Development Method		Removal Rate (gal/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (gallons)		Product Volume Removed (gallons)		Temperature (°C)	pH	Conductivity (mmhos/cm)	Dissolved Oxygen (mg/L)	Comments
		Pump	Bailer				Increment	Cumulative	Increment	Cumulative					
4/30/08	1138	X						2	N/A	N/A	14.5	7.32	1241	—	Turbidity = 200 NTU
	1140							5			14.4	7.07	1187	—	Turbidity = 20
	1149							8			14.5	7.12	1140	—	" 14
	1153							11			14.5	7.13	1123	—	" 8.2
	1157							14			14.5	7.10	1106	—	" 7.3
	1202							17			14.4	7.09	1089	—	" 6.5
	1208							20			14.4	7.14	1086	—	" 6.3

Circle the date and time that the development criteria are met.

Comments Arrived @ UMW-302 at 1121. Odor observed - Sewer type odor ~~at~~ MGP like odor observed.

Developer's Signature(s) Leslie Hoosier Date 4-30-08 Reviewer _____ Date _____

PSC

Well Number UMW-303

Serial No. WDPD-

WELL DEVELOPMENT AND PURGING DATA

Page 1 of 1

Project Name Champaign MGP | Project Manager Derek Ingram | Project No. 62403053

Client Company AmerenIP | Cost Code 02450

Site Name | Site Address 308 N. 5th, Champaign

Development Criteria

- ☒ 3 to 5 Casing Volumes of Water Removal
- ☐ Stabilization of Indicator Parameters
- ☐ Other

Methods of Development

Pump	Bailer
☐ Centrifugal	☐ Bottom Valve
☐ Submersible	☐ Double Check Valve
☐ Peristaltic	☐ Stainless-steel Kemmerer

☒ Other Whale

Water Volume Calculation

Initial Depth of Well (feet) 45.0
Initial Depth to Water (feet) 26.06
Height of Water Column in Well (feet) 18.94
Diameter (inches): Well 2" Gravel Pack

Item	Water Volume in Well: Cubic Feet	Water Volume in Well: Gallons	Gallons to be Removed
Well Casing	0.395	3.09	12.40
Gravel Pack	—	—	---
Drilling Fluids		—	---
Total			12.40

Instruments

	Serial No. (If applicable)
☒ pH Meter	Myron
☐ DO Monitor	
☒ Conductivity Meter	Myron
☒ Temperature Meter	Myron
☐ Quanta	

Turbidity – La Motte

Water Disposal

Poly tank - on site

Water Removal Data

ft X 0.1632gal/ft = gal X 3 = gal

Date	Time	Development Method: Pump	Development Method: Bailer	Removal Rate (gal/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (gallons): Increment	Water Volume Removed (gallons): Cumulative	Product Volume Removed (gallons): Increment	Product Volume Removed (gallons): Cumulative	Temperature (°C)	pH	Conductivity (mmhos/cm)	Dissolved Oxygen (mg/L)	Comments
4/29/08	14:08	X					2	0	NA	NA	~~X~~	—	—	—	Very turbid, No Odor
	14:14	X				—		2			14.7	7.25	1114	—	Turbidity = 100 NTU
	14:20	X				—		4			14.7	7.30	1102		" = 26 NTU
	14:26	X				26.435		6			14.8	7.49	1028		" = 24 NTU
	1434	X				—		8			14.9	7.57	1045		" = 39 NTU
	1437	X				26.33		10			14.9	7.59	1033		" = 6.5 NTU
	1445	X				26.37		12			15.0	7.64	1032		" = 3.0 NTU
	1452	X				26.36		14			15.0	7.65	1032		" = 2.5 NTU
4/29/08															

Circle the date and time that the development criteria are met.

Comments

Developer's Signature(s) John R. Dolle Date 4/29/08 Reviewer Date

PSC

Well Number UMW-304

Serial No. WDPD-

WELL DEVELOPMENT AND PURGING DATA

Project Name Champaign MGP

Project Manager Derek Ingram

Project No. 62403053

Client Company AmerenIP

Cost Code 024501

Site Name

Site Address 308 N. 5th St. Champaign IL

Development Criteria

- [x] 3 to 5 Casing Volumes of Water Removal
- [ ] Stabilization of Indicator Parameters
- [ ] Other

Methods of Development

Pump	Bailer
☐ Centrifugal	☐ Bottom Valve
☐ Submersible	☐ Double Check Valve
☐ Peristaltic	☐ Stainless-steel Kemmerer

- [x] Other Whale

Water Volume Calculation

Initial Depth of Well (feet) 45.00

Initial Depth to Water (feet) 27.81

Height of Water Column in Well (feet) 17.19

Diameter (inches): Well 2" Gravel Pack

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing	0.359	2.80	11.2
Gravel Pack			---
Drilling Fluids			---
Total			11.2

Instruments

Serial No. (If applicable)

- [x] pH Meter — MYRON
- [ ] DO Monitor
- [x] Conductivity Meter — MYRON
- [x] Temperature Meter — MYRON
- [ ] Quanta

Turbidity - LaMotte

Water Disposal

Water Removal Data

ft X 0.1632gal/ft = gal X 4 = 11.2 gal

Date	Time	Development Method		Removal Rate (gal/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (gallons)		Product Volume Removed (gallons)		Temperature (°C)	pH	Conductivity (mmhos/cm)	Dissolved Oxygen (mg/L)	Comments
		Pump	Bailer				Increment	Cumulative	Increment	Cumulative					
4/29/08	1226	X					2	2			15.1	7.17	1115		Turbidity = 100 NTU
4/29/08	1231	X						4			14.5	~~7~~7.55	1130		" 25
4/29/08	12:36	X				~~28.50~~	28.05 4L	6			14.3	7.57	1121		" 270
4/29/08	1242	X				28.03		8			14.6	7.45	1120		" 80
4/29/08	1246	X				28.03		10			14.4	7.56	1127		" 13
4/29/08	1250	X				~~28.50~~	28.05 4L	12			14.6	7.59	1124		" 6.3
4/29/08	1256	X				28.04		14			14.6	7.62	1126		" 5.4

Circle the date and time that the development criteria are met.

Comments Coal tar like odor observed.

Developer's Signature(s) Leslie Hoosier Date 4-29-08 Reviewer Date

APPENDIX D

Soil Analytical Data

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX 618-344-1005

May 16, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH
NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign 62403053 **WorkOrder:** 08050439

Dear Derek Ingram:

TEKLAB, INC received 2 samples on 4/4/2008 5:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

SAMPLE SUMMARY

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050439
Report Date: 16-May-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08050439-001	B832 (2-3 ft)	1	4/4/2008 8 53·00 AM
08050439-002	B832 (7-8 ft)	1	4/4/2008 9 09·00 AM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

Client: Philip Environmental

CASE NARRATIVE

Project: A831-735002-012901-225/IP Champaign 62403053

LabOrder: 08050439

Report Date: 16-May-08

Cooler Receipt Temp: °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Additional analysis requested to WO #08040238. Analysis requested outside of hold time for pH, total cyanide, and amenable cyanide.

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	**#** - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050439
Lab ID: 08050439-001
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B832 (2-3 ft)
Collection Date: 4/4/2008 8:53:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 31		**4 16**	mg/Kg-dry	1	5/14/2008 4 49 34 PM	LAL
Chromium	NELAP	0 93		**17 0**	mg/Kg-dry	1	5/14/2008 4 49 34 PM	LAL
Lead	NELAP	3 70		**74.2**	mg/Kg-dry	1	5/13/2008 11 05 30 PM	LAL
SW-846 9010B, 9014								
Cyanide	NELAP	0 65	H	**7.52**	mg/Kg-dry	1	5/13/2008	AET
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 65	H	**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050439
Lab ID: 08050439-002
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B832 (7-8 ft)
Collection Date: 4/4/2008 9:09:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**5.99**	mg/Kg-dry	1	5/14/2008 4 56 21 PM	LAL
Chromium	NELAP	1 00		**25.3**	mg/Kg-dry	1	5/14/2008 4 56 21 PM	LAL
Lead	NELAP	4 00		**17.8**	mg/Kg-dry	1	5/13/2008 11 12 19 PM	LAL
SW-846 9010B, 9014								
Cyanide	NELAP	0 64	H	**< 0.64**	mg/Kg-dry	1	5/13/2008	AET
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 64	H	**Interference**	mg/Kg-dry	1	5/14/2008	AET
SW-846 9045C								
pH (1 1)	NELAP	1 00	H	**7.80**		1	5/13/2008 1 52 00 PM	KNL

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050439
Report Date: 16-May-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050439-001A	B832 (2-3 ft)	4/4/2008	Solid	SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/13/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050439-002A	B832 (7-8 ft)			SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/13/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
				SW-846 9045C		5/13/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050439 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TCN_S_MT

Sample ID	MB-R108067	SampType	MBLK			Units	mg/Kg	Prep Date	5/12/2008		RunNo	108067	
Client ID	ZZZZZZ	Batch ID	44826				SW9010	Analysis Date	5/13/2008		SeqNo	1945262	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		< 0 01	0 01										

Sample ID	LCS-R108067	SampType	LCS			Units	mg/Kg	Prep Date	5/12/2008		RunNo	108067	
Client ID	ZZZZZZ	Batch ID	44826				SW9010	Analysis Date	5/13/2008		SeqNo	1945263	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		0 19	0 01	0 2000	0	94 1	85	115					

Sample ID	LCSD-R108067	SampType	LCSD			Units	mg/Kg	Prep Date	5/12/2008		RunNo	108067	
Client ID	ZZZZZZ	Batch ID	44826				SW9010	Analysis Date	5/13/2008		SeqNo	1945264	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		0 20	0 01	0 2000	0	99 7	85	115	0 1881	5 84	15		

Sample ID	08050439-002AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	5/12/2008		RunNo	108067	
Client ID	B832 (7-8 ft)MS	Batch ID	44826				SW9010	Analysis Date	5/13/2008		SeqNo	1945271	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		5 53	0 61	6 135	0	90 2	80	120				H	

Sample ID	08050439-002AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date	5/12/2008		RunNo	108067	
Client ID	B832 (7-8 ft)MSD	Batch ID	44826				SW9010	Analysis Date	5/13/2008		SeqNo	1945272	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		5 66	0 61	6 135	0	92 3	80	120	5 533	2 35	20	H	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050439 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: L_PH_S_M

Sample ID	LCS-R108062	SampType	LCS			Units		Prep Date		RunNo	108062	
Client ID	ZZZZZZ	Batch ID	R108062					Analysis Date	5/13/2008	SeqNo	1945128	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH (1 1)		7 00	1 00	7 000	0	100	99 1	100 9				

Sample ID	08050439-002ADUP	SampType	DUP			Units		Prep Date		RunNo	108062	
Client ID	B832 (7-8 ft)DUP	Batch ID	R108062					Analysis Date	5/13/2008	SeqNo	1945129	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH (1 1)		7 63	1 00						7 800	2 20	10	H

IL ELAP and NELAP Accredited - Accreditation #100226

ANALYTICAL QC SUMMARY REPORT

TestCode: M_SOLIDS_ICP

Sample ID	MB-44806	SampType	MBLK	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108079
Client ID	ZZZZZZ	Batch ID	44806		SOP 3032	Analysis Date	5/13/2008	SeqNo	1945559

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 2 50	2 50	2 500	0	0	-100	100				
Lead	< 4 00	4 00	4 000	0	0	-100	100				

Sample ID	LCS-44806	SampType	LCS	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108079
Client ID	ZZZZZZ	Batch ID	44806		SOP 3032	Analysis Date	5/13/2008	SeqNo	1945560

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	192	2 50	200 0	0	96 2	85	115				
Lead	49 7	4 00	50 00	0	99 4	85	115				

Sample ID	08050439-002AMS	SampType	MS	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108079
Client ID	B832 (7-8 ft)MS	Batch ID	44806		SOP 3032	Analysis Date	5/13/2008	SeqNo	1945573

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	64 9	4 00	50 00	17 75	94 3	75	125				

Sample ID	08050439-002AMSD	SampType	MSD	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108079
Client ID	B832 (7-8 ft)MSD	Batch ID	44806		SOP 3032	Analysis Date	5/13/2008	SeqNo	1945574

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	63 9	4 00	50 00	17 75	92 2	75	125	64 92	1 65	20	

Sample ID	MB-44806	SampType	MBLK	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108118
Client ID	ZZZZZZ	Batch ID	44806		SOP 3032	Analysis Date	5/14/2008	SeqNo	1947235

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0 64	1 00	1 000	0	64 0	-100	100				J

ANALYTICAL QC SUMMARY REPORT

TestCode: M_SOLIDS_ICP

Sample ID	LCS-44806	SampType	LCS			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108118	
Client ID	ZZZZZZ	Batch ID	44806				SOP 3032	Analysis Date	5/14/2008		SeqNo	1947236	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium		19 7	1 00	20 00	0	98 6	85	115					

Sample ID	08050439-002AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108118	
Client ID	B832 (7-8 ft)MS	Batch ID	44806				SOP 3032	Analysis Date	5/14/2008		SeqNo	1947250	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		191	2 50	200 0	5 990	92 7	75	125					
Chromium		44 9	1 00	20 00	25 34	97 7	75	125					

Sample ID	08050439-002AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108118	
Client ID	B832 (7-8 ft)MSD	Batch ID	44806				SOP 3032	Analysis Date	5/14/2008		SeqNo	1947251	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		196	2 50	200 0	5 990	94 8	75	125	191 3	2 17	20		
Chromium		45 2	1 00	20 00	25 34	99 4	75	125	44 87	0 755	20		

IL ELAP and NELAP Accredited - Accreditation #100226

08-J439

TEKLAB, INC
5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
TEL (618) 344-1004
FAX: (618) 344-1005

CHAIN-OF-CUSTODY RECORD

WorkOrder: 08050439

Client:

Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230

TEL: (618) 281-7173
FAX: (618) 281-5120
Project: A831-735002-012901-225/I

12-May-08

					Requested Tests						
Sample ID	**ClientSampID**	**Matrix**	**Date Collected**	**Bottle**	**SW6010B**	**SW9014**	**SW9014 (A)**	**SW9045 C**			
08050439-001	B832 (2-3 ft)	Solid	4/4/2008 8:53:00 AM		A	A	A				
08050439-002	B832 (7-8 ft)	Solid	4/4/2008 9:09:00 AM		A	A	A	A			

Comments: data in excel. Additional analysis requested on WO# 08040238 per Leslie Hoosier. EAH 5/12/08

	Date/Time		**Date/Time**
Relinquished by:		**Received by:**	5/12/08
Relinquished by:		**Received by:**	
Relinquished by:		**Received by:**	

NOTE. Samples are discarded 60 days after results are reported unless other arrangements are made Hazardous samples will be returned to client or disposed of at client expense.

Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

July 02, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH nelap

NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign 62403053 **WorkOrder:** 08060976

Dear Derek Ingram:

TEKLAB, INC received 9 samples on 6/27/2008 3:20:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A. White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

SAMPLE SUMMARY

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08060976

Report Date: 02-Jul-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08060976-001	B-853 (2.0-3.0 ft)	4	6/23/2008 2:17:00 PM
08060976-002	B-853 (4.0-5.0 ft)	4	6/23/2008 2:48:00 PM
08060976-003	B-853 (29.0-30 0 ft)	4	6/23/2008 4:05:00 PM
08060976-004	B-854 (2.0-3.0 ft)	4	6/24/2008 2:22:00 PM
08060976-005	B-854 (7.0-8.0 ft)	4	6/24/2008 2:50:00 PM
08060976-006	B-854 (38.0-39.0 ft)	4	6/24/2008 4:06:00 PM
08060976-007	B-855 (2.0-3.0 ft)	4	6/26/2008 8:20:00 AM
08060976-008	B-855 (6 0-7.0 ft)	4	6/26/2008 8:40:00 AM
08060976-009	B-855 (33.0-34 0 ft)	4	6/26/2008 9:50:00 AM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

CASE NARRATIVE

Project: A831-735002-012901-225/IP Champaign 62403053
LabOrder: 08060976
Report Date: 02-Jul-08

Cooler Receipt Temp: 4.4 °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO: DNR #00930 | AR ADEQ #70-028-0

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	**#** - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08060976
Lab ID: 08060976-001
Report Date: 02-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-853 (2.0-3.0 ft)
Collection Date: 6/23/2008 2:17:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**14.6**	%	1	6/30/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**85.4**	%	1	6/30/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 10:04:00 AM	TDN
Acenaphthylene	NELAP	0 004		**0 011**	mg/Kg-dry	1	7/1/2008 10:04 00 AM	TDN
Anthracene	NELAP	0.004		**0.007**	mg/Kg-dry	1	7/1/2008 10:04.00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.031**	mg/Kg-dry	1	7/1/2008 10.04 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.037**	mg/Kg-dry	1	7/1/2008 10 04 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**0.050**	mg/Kg-dry	1	7/1/2008 10 04:00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.026**	mg/Kg-dry	1	7/1/2008 10 04 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**0.017**	mg/Kg-dry	1	7/1/2008 10:04 00 AM	TDN
Chrysene	NELAP	0 004		**0.040**	mg/Kg-dry	1	7/1/2008 10:04.00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**0.007**	mg/Kg-dry	1	7/1/2008 10:04:00 AM	TDN
Fluoranthene	NELAP	0 004		**0.055**	mg/Kg-dry	1	7/1/2008 10:04:00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 10 04 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.022**	mg/Kg-dry	1	7/1/2008 10:04:00 AM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 10:04:00 AM	TDN
Phenanthrene	NELAP	0 004		**0.032**	mg/Kg-dry	1	7/1/2008 10.04:00 AM	TDN
Pyrene	NELAP	0.004		**0.057**	mg/Kg-dry	1	7/1/2008 10:04.00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**50.1**	%REC	1	7/1/2008 10 04 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**47.5**	%REC	1	7/1/2008 10 04.00 AM	TDN
Surr p-Terphenyl-d14		30.6-131		**73.1**	%REC	1	7/1/2008 10 04:00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.9		**1.0**	µg/Kg-dry	1	6/30/2008 1 28 00 PM	JSA
Ethylbenzene	NELAP	4 4	J	**1.9**	µg/Kg-dry	1	6/30/2008 1:28:00 PM	JSA
Toluene	NELAP	4 4	J	**1.7**	µg/Kg-dry	1	6/30/2008 1:28:00 PM	JSA
Xylenes, Total	NELAP	4 4	J	**2.2**	µg/Kg-dry	1	6/30/2008 1:28:00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**105.8**	%REC	1	6/30/2008 1:28 00 PM	JSA
Surr 4-Bromofluorobenzene		78.2-117		**105.2**	%REC	1	6/30/2008 1:28 00 PM	JSA
Surr Dibromofluoromethane		66.6-130		**97.9**	%REC	1	6/30/2008 1.28:00 PM	JSA
Surr. Toluene-d8		80 1-122		**102.3**	%REC	1	6/30/2008 1 28:00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

NVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08060976
Lab ID: 08060976-002
Report Date: 02-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-853 (4.0-5.0 ft)
Collection Date: 6/23/2008 2.48:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19.4**	%	1	6/30/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80.6**	%	1	6/30/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 11 50 00 AM	TDN
Acenaphthylene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 11 50:00 AM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 11.50.00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.005**	mg/Kg-dry	1	7/1/2008 11 50 00 AM	TDN
Benzo(a)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 11 50 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.004**	mg/Kg-dry	1	7/1/2008 11 50.00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 11 50 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 11 50:00 AM	TDN
Chrysene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 11:50:00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 11 50 00 AM	TDN
Fluoranthene	NELAP	0 004		**0.005**	mg/Kg-dry	1	7/1/2008 11 50:00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 11:50:00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 11 50 00 AM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 11:50 00 AM	TDN
Phenanthrene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 11:50:00 AM	TDN
Pyrene	NELAP	0.004		**0.005**	mg/Kg-dry	1	7/1/2008 11 50 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**32.1**	%REC	1	7/1/2008 11 50 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**44.7**	%REC	1	7/1/2008 11 50 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**74.3**	%REC	1	7/1/2008 11.50 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.9		**ND**	µg/Kg-dry	1	6/30/2008 1 58 00 PM	JSA
Ethylbenzene	NELAP	4.5		**ND**	µg/Kg-dry	1	6/30/2008 1 58 00 PM	JSA
Toluene	NELAP	4 5	J	**1.1**	µg/Kg-dry	1	6/30/2008 1 58 00 PM	JSA
Xylenes, Total	NELAP	4 5	J	**1.6**	µg/Kg-dry	1	6/30/2008 1 58:00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**101.8**	%REC	1	6/30/2008 1 58:00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**99.8**	%REC	1	6/30/2008 1:58.00 PM	JSA
Surr Dibromofluoromethane		66.6-130		**99.9**	%REC	1	6/30/2008 1 58.00 PM	JSA
Surr Toluene-d8		80.1-122		**99.0**	%REC	1	6/30/2008 1 58.00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08060976
Lab ID: 08060976-003
Report Date: 02-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-853 (29.0-30.0 ft)
Collection Date: 6/23/2008 4:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**10.3**	%	1	6/30/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		*0.1*		**89.7**	%	1	6/30/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 12:25:00 PM	TDN
Acenaphthylene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 12:25:00 PM	TDN
Anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 12:25:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		**0.005**	mg/Kg-dry	1	7/1/2008 12:25:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 12:25:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 12:25:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 12:25:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 12:25:00 PM	TDN
Chrysene	NELAP	0.004		**0.004**	mg/Kg-dry	1	7/1/2008 12:25:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 12:25:00 PM	TDN
Fluoranthene	NELAP	0.004		**0.004**	mg/Kg-dry	1	7/1/2008 12:25:00 PM	TDN
Fluorene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 12:25:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 12:25:00 PM	TDN
Naphthalene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 12:25:00 PM	TDN
Phenanthrene	NELAP	0.004		**0.004**	mg/Kg-dry	1	7/1/2008 12:25:00 PM	TDN
Pyrene	NELAP	0.004		**0.004**	mg/Kg-dry	1	7/1/2008 12:25:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		**42.5**	%REC	1	7/1/2008 12:25:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		**43.7**	%REC	1	7/1/2008 12:25:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		**70.3**	%REC	1	7/1/2008 12:25:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.9		**1.4**	µg/Kg-dry	1	6/30/2008 2:28:00 PM	JSA
Ethylbenzene	NELAP	4.3	J	**1.0**	µg/Kg-dry	1	6/30/2008 2:28:00 PM	JSA
Toluene	NELAP	4.3	J	**2.0**	µg/Kg-dry	1	6/30/2008 2:28:00 PM	JSA
Xylenes, Total	NELAP	4.3	J	**4.1**	µg/Kg-dry	1	6/30/2008 2:28:00 PM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		**111.2**	%REC	1	6/30/2008 2:28:00 PM	JSA
Surr: 4-Bromofluorobenzene		78.2-117	S	**76.6**	%REC	1	6/30/2008 2:28:00 PM	JSA
Surr: Dibromofluoromethane		66.6-130		**108.8**	%REC	1	6/30/2008 2:28:00 PM	JSA
Surr: Toluene-d8		80.1-122		**84.9**	%REC	1	6/30/2008 2:28:00 PM	JSA

Sample Narrative

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

:NVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08060976
Lab ID: 08060976-004
Report Date: 02-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-854 (2.0-3.0 ft)
Collection Date: 6/24/2008 2:22:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**18.2**	%	1	7/1/2008	JMT
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**81.8**	%	1	7/1/2008	JMT
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 1 00:00 PM	TDN
Acenaphthylene	NELAP	0.004		**0.004**	mg/Kg-dry	1	7/1/2008 1:00.00 PM	TDN
Anthracene	NELAP	0 004		**0.005**	mg/Kg-dry	1	7/1/2008 1:00:00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.021**	mg/Kg-dry	1	7/1/2008 1:00 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.019**	mg/Kg-dry	1	7/1/2008 1:00.00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.026**	mg/Kg-dry	1	7/1/2008 1:00 00 PM	TDN
Benzo(g,h,ı)perylene	NELAP	0 004		**0.011**	mg/Kg-dry	1	7/1/2008 1.00:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.012**	mg/Kg-dry	1	7/1/2008 1:00:00 PM	TDN
Chrysene	NELAP	0 004		**0.021**	mg/Kg-dry	1	7/1/2008 1 00:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0.005**	mg/Kg-dry	1	7/1/2008 1 00.00 PM	TDN
Fluoranthene	NELAP	0 004		**0.035**	mg/Kg-dry	1	7/1/2008 1 00 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 1:00 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.011**	mg/Kg-dry	1	7/1/2008 1 00:00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 1 00 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.017**	mg/Kg-dry	1	7/1/2008 1 00 00 PM	TDN
Pyrene	NELAP	0 004		**0.031**	mg/Kg-dry	1	7/1/2008 1 00 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**35.1**	%REC	1	7/1/2008 1:00 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**45.5**	%REC	1	7/1/2008 1 00:00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**81.4**	%REC	1	7/1/2008 1.00:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 0		**ND**	µg/Kg-dry	1	6/30/2008 2 57.00 PM	JSA
Ethylbenzene	NELAP	5 0		**ND**	µg/Kg-dry	1	6/30/2008 2.57:00 PM	JSA
Toluene	NELAP	5 0		**ND**	µg/Kg-dry	1	6/30/2008 2.57.00 PM	JSA
Xylenes, Total	NELAP	5 0	J	**1.1**	µg/Kg-dry	1	6/30/2008 2:57 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**108.4**	%REC	1	6/30/2008 2 57:00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**101.1**	%REC	1	6/30/2008 2 57:00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**101.6**	%REC	1	6/30/2008 2.57:00 PM	JSA
Surr Toluene-d8		80 1-122		**100.5**	%REC	1	6/30/2008 2 57 00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08060976
Lab ID: 08060976-005
Report Date: 02-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-854 (7.0-8.0 ft)
Collection Date: 6/24/2008 2:50:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**12.8**	%	1	7/1/2008	JMT
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**87.2**	%	1	7/1/2008	JMT
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 1:35:00 PM	TDN
Acenaphthylene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 1:35:00 PM	TDN
Anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 1:35:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 1:35:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 1:35:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 1:35:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 1:35:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 1:35:00 PM	TDN
Chrysene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 1:35:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 1:35:00 PM	TDN
Fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 1:35:00 PM	TDN
Fluorene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 1:35:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 1:35:00 PM	TDN
Naphthalene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 1:35:00 PM	TDN
Phenanthrene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 1:35:00 PM	TDN
Pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 1:35:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		**23.8**	%REC	1	7/1/2008 1:35:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		**35.3**	%REC	1	7/1/2008 1:35:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		**75.8**	%REC	1	7/1/2008 1:35:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		**8.2**	µg/Kg-dry	1	6/30/2008 3:26:00 PM	JSA
Ethylbenzene	NELAP	4.2	J	**1.9**	µg/Kg-dry	1	6/30/2008 3:26:00 PM	JSA
Toluene	NELAP	4.2		**7.2**	µg/Kg-dry	1	6/30/2008 3:26:00 PM	JSA
Xylenes, Total	NELAP	4.2		**4.6**	µg/Kg-dry	1	6/30/2008 3:26:00 PM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		**102.5**	%REC	1	6/30/2008 3:26:00 PM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		**100.2**	%REC	1	6/30/2008 3:26:00 PM	JSA
Surr: Dibromofluoromethane		66.6-130		**98.5**	%REC	1	6/30/2008 3:26:00 PM	JSA
Surr: Toluene-d8		80.1-122		**100.6**	%REC	1	6/30/2008 3:26:00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08060976
Lab ID: 08060976-006
Report Date: 02-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-854 (38.0-39.0 ft)
Collection Date: 6/24/2008 4:06:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**17.7**	%	1	7/1/2008	JMT
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**82.3**	%	1	7/1/2008	JMT
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2:10:00 PM	TDN
Acenaphthylene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2:10.00 PM	TDN
Anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2:10.00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2:10:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2.10:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2.10:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2.10:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2:10:00 PM	TDN
Chrysene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2:10:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2:10.00 PM	TDN
Fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2:10:00 PM	TDN
Fluorene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2:10.00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2:10.00 PM	TDN
Naphthalene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2:10:00 PM	TDN
Phenanthrene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2.10:00 PM	TDN
Pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2.10:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		**37.7**	%REC	1	7/1/2008 2:10:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		**38.1**	%REC	1	7/1/2008 2:10:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		**71.5**	%REC	1	7/1/2008 2:10:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.0		**1.4**	µg/Kg-dry	1	6/30/2008 3:55:00 PM	JSA
Ethylbenzene	NELAP	4.8		**ND**	µg/Kg-dry	1	6/30/2008 3:55:00 PM	JSA
Toluene	NELAP	4.8	J	**2.3**	µg/Kg-dry	1	6/30/2008 3:55.00 PM	JSA
Xylenes, Total	NELAP	4.8	J	**1.8**	µg/Kg-dry	1	6/30/2008 3:55:00 PM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		**106.1**	%REC	1	6/30/2008 3:55:00 PM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		**91.7**	%REC	1	6/30/2008 3:55:00 PM	JSA
Surr: Dibromofluoromethane		66.6-130		**101.5**	%REC	1	6/30/2008 3:55:00 PM	JSA
Surr: Toluene-d8		80.1-122		**95.5**	%REC	1	6/30/2008 3:55:00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08060976
Lab ID: 08060976-007
Report Date: 02-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-855 (2.0-3 0 ft)
Collection Date: 6/26/2008 8:20.00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**15.8**	%	1	7/1/2008	JMT
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**84.2**	%	1	7/1/2008	JMT
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2:45:00 PM	TDN
Acenaphthylene	NELAP	0 004		**0.005**	mg/Kg-dry	1	7/1/2008 2 45.00 PM	TDN
Anthracene	NELAP	0.004		**0.005**	mg/Kg-dry	1	7/1/2008 2.45 00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		**0.018**	mg/Kg-dry	1	7/1/2008 2 45.00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.020**	mg/Kg-dry	1	7/1/2008 2.45 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**0.028**	mg/Kg-dry	1	7/1/2008 2 45:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.015**	mg/Kg-dry	1	7/1/2008 2.45.00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**0.013**	mg/Kg-dry	1	7/1/2008 2 45 00 PM	TDN
Chrysene	NELAP	0.004		**0.021**	mg/Kg-dry	1	7/1/2008 2.45:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**0.007**	mg/Kg-dry	1	7/1/2008 2.45.00 PM	TDN
Fluoranthene	NELAP	0 004		**0.034**	mg/Kg-dry	1	7/1/2008 2.45 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 2.45 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		**0.014**	mg/Kg-dry	1	7/1/2008 2:45:00 PM	TDN
Naphthalene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 2 45:00 PM	TDN
Phenanthrene	NELAP	0.004		**0.022**	mg/Kg-dry	1	7/1/2008 2 45:00 PM	TDN
Pyrene	NELAP	0 004		**0.030**	mg/Kg-dry	1	7/1/2008 2 45 00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		**35.7**	%REC	1	7/1/2008 2:45:00 PM	TDN
Surr. Nitrobenzene-d5		10-132		**38.3**	%REC	1	7/1/2008 2 45:00 PM	TDN
Surr. p-Terphenyl-d14		30.6-131		**72.3**	%REC	1	7/1/2008 2:45:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.0		**ND**	µg/Kg-dry	1	6/30/2008 4 25.00 PM	JSA
Ethylbenzene	NELAP	4.9		**ND**	µg/Kg-dry	1	6/30/2008 4:25:00 PM	JSA
Toluene	NELAP	4.9		**ND**	µg/Kg-dry	1	6/30/2008 4 25 00 PM	JSA
Xylenes, Total	NELAP	4.9		**ND**	µg/Kg-dry	1	6/30/2008 4.25:00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**108.2**	%REC	1	6/30/2008 4:25:00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**99.1**	%REC	1	6/30/2008 4:25 00 PM	JSA
Surr Dibromofluoromethane		66.6-130		**100.8**	%REC	1	6/30/2008 4:25 00 PM	JSA
Surr Toluene-d8		80.1-122		**100.3**	%REC	1	6/30/2008 4:25.00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08060976
Lab ID: 08060976-008
Report Date: 02-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-855 (6.0-7 0 ft)
Collection Date: 6/26/2008 8.40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**20.1**	%	1	7/1/2008	JMT
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**79.9**	%	1	7/1/2008	JMT
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 3 20:00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 3 20:00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 3 20:00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 3.20 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 3 20:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 3:20:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 3 20:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 3:20.00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 3.20 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 3:20:00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 3:20 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 3.20.00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 3:20:00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 3.20.00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 3 20 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	7/1/2008 3.20:00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**22.6**	%REC	1	7/1/2008 3 20 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**36.9**	%REC	1	7/1/2008 3 20.00 PM	TDN
Surr. p-Terphenyl-d14		30 6-131		**78.4**	%REC	1	7/1/2008 3 20:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 0		**3.5**	µg/Kg-dry	1	6/30/2008 4 55 00 PM	JSA
Ethylbenzene	NELAP	5.3	J	**3.6**	µg/Kg-dry	1	6/30/2008 4:55:00 PM	JSA
Toluene	NELAP	5 3		**9.1**	µg/Kg-dry	1	6/30/2008 4.55:00 PM	JSA
Xylenes, Total	NELAP	5 3		**7.3**	µg/Kg-dry	1	6/30/2008 4 55 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**76.1**	%REC	1	6/30/2008 4.55:00 PM	JSA
Surr: 4-Bromofluorobenzene		78 2-117		**116.8**	%REC	1	6/30/2008 4:55 00 PM	JSA
Surr. Dibromofluoromethane		66 6-130		**71.8**	%REC	1	6/30/2008 4:55:00 PM	JSA
Surr Toluene-d8		80 1-122		**115.1**	%REC	1	6/30/2008 4 55.00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08060976
Lab ID: 08060976-009
Report Date: 02-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-855 (33.0-34.0 ft)
Collection Date: 6/26/2008 9:50:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**13.8**	%	1	7/1/2008	JMT
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**86.2**	%	1	7/1/2008	JMT
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 3:55:00 PM	TDN
Acenaphthylene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 3:55:00 PM	TDN
Anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 3:55:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		**0.005**	mg/Kg-dry	1	7/1/2008 3:55:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 3:55:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 3:55:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**0.004**	mg/Kg-dry	1	7/1/2008 3:55:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 3:55:00 PM	TDN
Chrysene	NELAP	0.004		**0.004**	mg/Kg-dry	1	7/1/2008 3:55:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 3:55:00 PM	TDN
Fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 3:55:00 PM	TDN
Fluorene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 3:55:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 3:55:00 PM	TDN
Naphthalene	NELAP	0.004		**ND**	mg/Kg-dry	1	7/1/2008 3:55:00 PM	TDN
Phenanthrene	NELAP	0.004	J	**0.004**	mg/Kg-dry	1	7/1/2008 3:55:00 PM	TDN
Pyrene	NELAP	0.004	J	**0.004**	mg/Kg-dry	1	7/1/2008 3:55:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		**31.1**	%REC	1	7/1/2008 3:55:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		**28.5**	%REC	1	7/1/2008 3:55:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		**65.1**	%REC	1	7/1/2008 3:55:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.7		**1.2**	µg/Kg-dry	1	6/30/2008 5:24:00 PM	JSA
Ethylbenzene	NELAP	3.7		**ND**	µg/Kg-dry	1	6/30/2008 5:24:00 PM	JSA
Toluene	NELAP	3.7	J	**1.5**	µg/Kg-dry	1	6/30/2008 5:24:00 PM	JSA
Xylenes, Total	NELAP	3.7	J	**1.4**	µg/Kg-dry	1	6/30/2008 5:24:00 PM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		**105.2**	%REC	1	6/30/2008 5:24:00 PM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		**85.7**	%REC	1	6/30/2008 5:24:00 PM	JSA
Surr: Dibromofluoromethane		66.6-130		**103.1**	%REC	1	6/30/2008 5:24:00 PM	JSA
Surr: Toluene-d8		80.1-122		**94.2**	%REC	1	6/30/2008 5:24:00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

E RONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08060976
Report Date: 02-Jul-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08060976-001A	B-853 (2 0-3 0 ft)	6/23/2008	Solid	ASTM D2974		6/30/2008
				Standard Methods 18th Ed 2540 G		6/30/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	6/30/2008	7/1/2008
08060976-001D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	6/30/2008	6/30/2008
08060976-002A	B-853 (4 0-5 0 ft)			ASTM D2974		6/30/2008
				Standard Methods 18th Ed 2540 G		6/30/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	6/30/2008	7/1/2008
08060976-002D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	6/30/2008	6/30/2008
08060976-003A	B-853 (29 0-30 0 ft)			ASTM D2974		6/30/2008
				Standard Methods 18th Ed 2540 G		6/30/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	6/30/2008	7/1/2008
08060976-003D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	6/30/2008	6/30/2008
08060976-004A	B-854 (2 0-3 0 ft)	6/24/2008		ASTM D2974		7/1/2008
				Standard Methods 18th Ed 2540 G		7/1/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	6/30/2008	7/1/2008
08060976-004D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	6/30/2008	6/30/2008
08060976-005A	B-854 (7 0-8 0 ft)			ASTM D2974		7/1/2008
				Standard Methods 18th Ed 2540 G		7/1/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	6/30/2008	7/1/2008
08060976-005D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	6/30/2008	6/30/2008
08060976-006A	B-854 (38 0-39 0 ft)			ASTM D2974		7/1/2008
				Standard Methods 18th Ed 2540 G		7/1/2008

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

RONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08060976

Report Date: 02-Jul-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08060976-006A	B-854 (38 0-39 0 ft)	6/24/2008	Solid	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	6/30/2008	7/1/2008
08060976-006D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	6/30/2008	6/30/2008
08060976-007A	B-855 (2 0-3 0 ft)	6/26/2008		ASTM D2974		7/1/2008
				Standard Methods 18th Ed 2540 G		7/1/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	6/30/2008	7/1/2008
08060976-007D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	6/30/2008	6/30/2008
08060976-008A	B-855 (6 0-7 0 ft)			ASTM D2974		7/1/2008
				Standard Methods 18th Ed 2540 G		7/1/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	6/30/2008	7/1/2008
08060976-008D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	6/30/2008	6/30/2008
08060976-009A	B-855 (33 0-34 0 ft)			ASTM D2974		7/1/2008
				Standard Methods 18th Ed 2540 G		7/1/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	6/30/2008	7/1/2008
08060976-009D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	6/30/2008	6/30/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Client: ı . ..ıp Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08060976 **Report Date:** *02-Jul-08*

ANALYTICAL QC SUMMARY REPO

Test Number: **M2540 G**

Sample ID. **LCS-R110039**	SampType. **LCS**			Units **%**		Prep Date		RunNo. **110039**		
Client ID **ZZZZZZ**	Batch ID **R110039**					Analysis Date **6/30/2008**		SeqNo. **1989633**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	1 0	0.1	1.000	0	101 0	90	110				

Sample ID **LCSQC**	SampType: **LCSQC**			Units **%**		Prep Date.		RunNo **110039**		
Client ID **ZZZZZZ**	Batch ID **R110039**					Analysis Date **6/30/2008**		SeqNo **1989634**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	1.0	0 1	1 000	0	100	90	110				

Sample ID **08060976-003ADUP**	SampType **DUP**			Units **%**		Prep Date.		RunNo: **110039**		
Client ID **B-853 (29.0-30.0 ft)D**	Batch ID **R110039**					Analysis Date **6/30/2008**		SeqNo **1989638**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	90 8	0.1						89.69	1 26	15	

Sample ID. **LCS-R110085**	SampType: **LCS**			Units: **%**		Prep Date:		RunNo **110085**		
Client ID **ZZZZZZ**	Batch ID **R110085**					Analysis Date **7/1/2008**		SeqNo: **1990925**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	1 0	0 1	1.000	0	100	90	110				

Sample ID **LCSQC**	SampType: **LCSQC**			Units **%**		Prep Date		RunNo **110085**		
Client ID **ZZZZZZ**	Batch ID **R110085**					Analysis Date **7/1/2008**		SeqNo: **1990926**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	1.0	0 1	1.000	0	95.0	90	110				

Client: . ρ Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08060976 **Report Date:** *02-Jul-08*

ANALYTICAL QC SUMMARY REPO

Test Number: **M2540 G**

Sample ID. **08060976-009ADUP**	SampType **DUP**	Units **%**	Prep Date	RunNo **110085**
Client ID **B-855 (33.0-34.0 ft)D**	Batch ID **R110085**		Analysis Date **7/1/2008**	SeqNo. **1990933**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	86 7	0 1						86 15	0 613	15	

IL ELAP and NELAP Accredited - Accreditation #100226

Client: ρ Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08060976 **Report Date:** *02-Jul-08*

ANALYTICAL QC SUMMARY REPO

Test Number: **SW8260B**

Sample ID	LCS1-G080630-1	SampType	LCS1			Units	µg/Kg	Prep Date	6/30/2008		RunNo	109994	
Client ID	ZZZZZZ	Batch ID	45914			SW5035		Analysis Date	6/30/2008		SeqNo	1988877	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene		24 6	1 0	21 20	0	115 8	70	130					
Toluene		174	5.0	183.6	0	95 0	70	130					
Ethylbenzene		34 8	5 0	36 80	0	94 7	70	130					
Xylenes, Total		201	5 0	211 6	0	95.0	70	130					
Surr 1,2-Dichloroethane-d4		49 5		50 00		99 1	61	128					
Surr 4-Bromofluorobenzene		52 0		50 00		104 1	78 2	117					
Surr Dibromofluoromethane		49 4		50.00		98 8	66 6	130					
Surr Toluene-d8		50.1		50 00		100 1	80 1	122					

Sample ID	LCS1D-G080630-1	SampType	LCS1D			Units	µg/Kg	Prep Date	6/30/2008		RunNo	109994	
Client ID	ZZZZZZ	Batch ID	45914			SW5035		Analysis Date	6/30/2008		SeqNo	1988878	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene		23 9	1 0	21 20	0	112 9	70	130	24 56	2 56	20		
Toluene		171	5 0	183 6	0	93 1	70	130	174 3	1 98	20		
Ethylbenzene		33 5	5 0	36 80	0	91 1	70	130	34 84	3 80	20		
Xylenes, Total		195	5 0	211 6	0	92 2	70	130	200 9	2.97	20		
Surr. 1,2-Dichloroethane-d4		50 8		50.00		101.6	61	128		0	0		
Surr 4-Bromofluorobenzene		51.7		50 00		103 3	78 2	117		0	0		
Surr Dibromofluoromethane		50 4		50 00		100 7	66.6	130		0	0		
Surr. Toluene-d8		50 1		50.00		100 2	80 1	122		0	0		

Sample ID	MBLK-G080630-1	SampType	MBLK			Units	µg/Kg	Prep Date	6/30/2008		RunNo	109994	
Client ID	ZZZZZZ	Batch ID	45914			SW5035		Analysis Date	6/30/2008		SeqNo	1988879	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene		ND	1 0										
Toluene		ND	5 0										
Ethylbenzene		ND	5.0										
Xylenes, Total		ND	5 0										

Client: ρ Environmental

ANALYTICAL QC SUMMARY REPO

Project: A831-735002-012901-225/IP Champaign 62403053

Test Number: **SW8260B**

Lab Order: 08060976 **Report Date:** *02-Jul-08*

Sample ID: **MBLK-G080630-1**	SampType **MBLK**	Units **µg/Kg**	Prep Date: **6/30/2008**	RunNo **109994**
Client ID **ZZZZZZ**	Batch ID **45914**	**SW5035**	Analysis Date. **6/30/2008**	SeqNo: **1988879**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr 1,2-Dichloroethane-d4	48 8		50.00		97.5	61	128				
Surr 4-Bromofluorobenzene	51 6		50 00		103.2	78 2	117				
Surr Dibromofluoromethane	49 1		50 00		98 1	66.6	130				
Surr Toluene-d8	50 1		50 00		100.1	80 1	122				

Sample ID **MB-45894**	SampType **MBLK**			Units **mg/Kg**		Prep Date **6/30/2008**		RunNo **110017**		
Client ID. **ZZZZZZ**	Batch ID: **45894**			**SW3550B**		Analysis Date **6/30/2008**		SeqNo **1989245**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 003									
Acenaphthylene	ND	0 003									
Anthracene	ND	0 003									
Benzo(a)anthracene	ND	0 003									
Benzo(a)pyrene	ND	0 003									
Benzo(b)fluoranthene	ND	0 003									
Benzo(g,h,ı)perylene	ND	0 003									
Benzo(k)fluoranthene	ND	0 003									
Chrysene	ND	0 003									
Dibenzo(a,h)anthracene	ND	0 003									
Fluoranthene	ND	0 003									
Fluorene	ND	0 003									
Indeno(1,2,3-cd)pyrene	ND	0 003									
Naphthalene	ND	0 003									
Phenanthrene	ND	0 003									
Pyrene	ND	0 003									
Surr 2-Fluorobiphenyl	0.120		0 1670		71 7	17 5	123				
Surr Nitrobenzene-d5	0.105		0 1670		62.9	35	105				
Surr p-Terphenyl-d14	0 137		0 1670		82.2	53 6	122				

Sample ID **LCS-45894**	SampType **LCS**			Units **mg/Kg**		Prep Date **6/30/2008**		RunNo **110017**		
Client ID **ZZZZZZ**	Batch ID. **45894**			**SW3550B**		Analysis Date. **6/30/2008**		SeqNo **1989246**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 131	0 003	0.1670	0	78.4	56 3	115				
Acenaphthylene	0 164	0 003	0.1670	0	98 0	60.3	143				
Anthracene	0.126	0.003	0 1670	0	75 5	52 1	109				
Benzo(a)anthracene	0 127	0.003	0 1670	0	76 2	52 8	112				
Benzo(a)pyrene	0.131	0.003	0 1670	0	78.5	40 8	127				
Benzo(b)fluoranthene	0 139	0.003	0 1670	0	83 2	50 1	150				

ANALYTICAL QC SUMMARY REPO

Test Number: SW8270C

Sample ID **LCS-45894**	SampType **LCS**			Units **mg/Kg**		Prep Date **6/30/2008**		RunNo. **110017**		
Client ID **ZZZZZZ**	Batch ID **45894**			**SW3550B**		Analysis Date. **6/30/2008**		SeqNo: **1989246**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(g,h,i)perylene	0.136	0 003	0 1670	0	81 6	52.8	145				
Benzo(k)fluoranthene	0 144	0.003	0 1670	0	86.1	52	153				
Chrysene	0 144	0.003	0 1670	0	86 0	60 8	128				
Dibenzo(a,h)anthracene	0 137	0.003	0 1670	0	81 9	54.9	150				
Fluoranthene	0 134	0 003	0 1670	0	80 3	58 7	125				
Fluorene	0.129	0 003	0 1670	0	77.0	57 8	125				
Indeno(1,2,3-cd)pyrene	0 135	0 003	0 1670	0	81 1	52	147				
Naphthalene	0.104	0.003	0 1670	0	62 0	54 8	113				
Phenanthrene	0.133	0 003	0 1670	0	79.4	60 4	121				
Pyrene	0 138	0 003	0 1670	0	82 7	57 9	129				
Surr 2-Fluorobiphenyl	0 139		0 1670		83 4	35 3	113				
Surr Nitrobenzene-d5	0.124		0 1670		74 3	33.9	108				
Surr p-Terphenyl-d14	0 141		0 1670		84 6	58 4	122				

Sample ID **08060976-001AMS**	SampType **MS**			Units **mg/Kg-dry**		Prep Date **6/30/2008**		RunNo **110060**		
Client ID **B-853 (2.0-3.0 ft)MS**	Batch ID **45894**			**SW3550B**		Analysis Date **7/1/2008**		SeqNo **1990250**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 151	0 004	0 1940	0	78 1	36	135				
Acenaphthylene	0 209	0 004	0 1940	0 01064	102 5	17 2	167				
Anthracene	0 171	0 004	0 1940	0 006781	84 5	39 3	124				
Benzo(a)anthracene	0 181	0 004	0 1940	0 03114	77 4	10	183				
Benzo(a)pyrene	0 207	0 004	0 1940	0 03722	87 3	10	204				
Benzo(b)fluoranthene	0.214	0.004	0 1940	0 04973	84 7	10 6	178				
Benzo(g,h,i)perylene	0 158	0 004	0.1940	0.02631	68.1	10	168				
Benzo(k)fluoranthene	0 195	0.004	0 1940	0 01707	91 8	27 6	181				
Chrysene	0.201	0.004	0 1940	0 03998	83.2	10	176				
Dibenzo(a,h)anthracene	0 147	0 004	0 1940	0.006976	72.2	12 2	156				
Fluoranthene	0 210	0 004	0 1940	0 05546	79 4	10	227				
Fluorene	0 157	0 004	0 1940	0	80 9	35 2	148				

Sample ID **08060976-001AMS**	SampType **MS**			Units **mg/Kg-dry**	Prep Date **6/30/2008**			RunNo **110060**			
Client ID **B-853 (2.0-3.0 ft)MS**	Batch ID **45894**			**SW3550B**	Analysis Date **7/1/2008**			SeqNo **1990250**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	0 163	0 004	0 1940	0 02206	72 5	10	164				
Naphthalene	0 141	0 004	0 1940	0	72 8	14 7	128				
Phenanthrene	0 190	0 004	0 1940	0 03211	81 4	32 8	143				
Pyrene	0.215	0 004	0 1940	0.05725	81 5	10	180				
Surr 2-Fluorobiphenyl	0 124		0 1940		63 9	10	131				
Surr. Nitrobenzene-d5	0 111		0 1940		57 3	10	132				
Surr p-Terphenyl-d14	0.141		0.1940		72 7	30 6	131				

Sample ID **08060976-001AMSD**	SampType **MSD**			Units **mg/Kg-dry**	Prep Date **6/30/2008**			RunNo **110060**			
Client ID **B-853 (2.0-3.0 ft)MS**	Batch ID **45894**			**SW3550B**	Analysis Date **7/1/2008**			SeqNo. **1990251**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 121	0 004	0 1926	0	62 8	36	135	0 1514	22 4	49 7	
Acenaphthylene	0 160	0 004	0 1926	0.01064	77 4	17.2	167	0 2094	27.0	33 3	
Anthracene	0 123	0.004	0.1926	0.006781	60 1	39 3	124	0 1708	32 8	51 1	
Benzo(a)anthracene	0.130	0.004	0 1926	0 03114	51 1	10	183	0 1812	33 2	40 6	
Benzo(a)pyrene	0 145	0 004	0 1926	0 03722	55 8	10	204	0 2066	35 3	56 4	
Benzo(b)fluoranthene	0 149	0 004	0 1926	0 04973	51 7	10 6	178	0 2139	35 6	49 7	
Benzo(g,h,i)perylene	0 118	0.004	0 1926	0 02631	47 7	10	168	0 1584	29 0	36 5	
Benzo(k)fluoranthene	0 144	0.004	0 1926	0.01707	66 1	27 6	181	0 1952	29 9	42 6	
Chrysene	0.144	0.004	0 1926	0 03998	53 8	10	176	0 2013	33 4	45 1	
Dibenzo(a,h)anthracene	0 115	0 004	0 1926	0.006976	56 0	12 2	156	0 1469	24.5	39 9	
Fluoranthene	0 144	0.004	0 1926	0 05546	45 8	10	227	0 2095	37 3	66 2	
Fluorene	0 123	0 004	0.1926	0	63 8	35 2	148	0 1570	24.3	65 6	
Indeno(1,2,3-cd)pyrene	0 124	0 004	0 1926	0 02206	52.8	10	164	0 1626	27 1	36 5	
Naphthalene	0 105	0 004	0 1926	0	54 7	14 7	128	0 1413	29 1	39 6	
Phenanthrene	0 136	0 004	0 1926	0 03211	53 8	32 8	143	0 1899	33.2	35 4	
Pyrene	0 149	0 004	0 1926	0 05725	47.4	10	180	0 2154	36.7	60 1	
Surr 2-Fluorobiphenyl	0 084		0 1926		43 7	10	131		0	40	
Surr Nitrobenzene-d5	0 079		0 1926		41 1	10	132		0	40	

Client: ı .p Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08060976 **Report Date:** *02-Jul-08*

ANALYTICAL QC SUMMARY REPO'

Test Number: **SW8270C**

Sample ID.	**08060976-001AMSD**	SampType	**MSD**	Units·	**mg/Kg-dry**	Prep Date	**6/30/2008**	RunNo	**110060**		
Client ID	**B-853 (2.0-3.0 ft)MS**	Batch ID·	**45894**		**SW3550B**	Analysis Date	**7/1/2008**	SeqNo:	**1990251**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr p-Terphenyl-d14	0 116		0 1926		60 3	30 6	131		0	40	

IL ELAP and NELAP Accredited - Accreditation #100226

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

RECEIVING CHECK LIST

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08060976
Report Date: 02-Jul-08

Carrier: Rachael Husan

Received By: EC

Completed by: Erin Clarke
On: 27-Jun-08

Reviewed by: Elizabeth A Hurley
On: 28-Jun-08

Pages to follow | Chain of custody: 1 | Extra pages included: 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 4 4
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑	
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0 1°C - 6 0°C, or when samples are received on ice the same day as collected

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Any No responses must be detailed below or on the COC

Chain of Custody Record

210 West Sand Bank Road
P.O Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 08884 08060976

Project Name: Ameren IP Champaign Project Mgr.: Derek Ingram
Project Number: 60243053 Cost Code: 024501
Sampler(s): R. Husan
Laboratory Name: Teklab
Laboratory Location: Collinsville, IL

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX	PAH	Comments (Field PID)	Lab ID #'s
B-853 (2.0-3.0')	6/23	1417	X					5	X	X		080609769
B-853 ~~(5.0-7.0')~~ (4.0-5.0')	6/23	1448	X					5	X	X		-002
B-853 (29.0-30.0')	6/23	1605	X					5	X	X		-003
B-854 (2.0-3.0')	6/24	1422	X					5	X	X		-004
B-854 (7.0-8.0')	6/24	1450	X					5	X	X		-005
B-854 (38.0-39.0')	6/24	1600	X					5	X	X		-006
B-855 (2.0-3.0')	6/26	0820	X					5	X	X		-007
B-855 (6.0-7.0')	6/26	0840	X					5	X	X		-008
B-855 (33.0-34.0')	6/26	0950	X					5	X	X		-009

Laboratory Temperature upon Receipt: 4.4 iced

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics . . . . . Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) . . . . . Sodium Bisulfate/Methanol
- ☐ TPH . . . . . Hydrochloric acid and/or Sulfuric acid
- ☐ Metals . . . . . Nitric acid (HNO_3)
- ☐ Cyanide . . . . . Sodium hydroxide (NaOH)
- ☐ Other (Specify) . . . . . _____

Lab Directives:

Requested TAT. ☐ Rush ☐ 5 Days ☒ STD ☐ Other _____
Fax and/or Mail Results to Derek Ingram
Send Invoice to _____
QC Deliverable Requested ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____
Special Guidelines _____
Reporting Limits _____
* Special _____

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Rachael Husen	6/27/08	1520

Received by:

Signature	Date	Time
[illegible]	6/27/08	1520

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be [illegible]ted by Lab

PE-179 (6/03)

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX 618-344-1005

April 09, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH nelac

NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign **WorkOrder:** 08040184

Dear Derek Ingram:

TEKLAB, INC received 6 samples on 4/3/2008 5:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040184
Report Date: 09-Apr-08

SAMPLE SUMMARY

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08040184-001	B-822 @ 7-8 FT	2	4/1/2008 4 11 00 PM
08040184-002	B-822 @ 13-15 FT	4	4/1/2008 5·00.00 PM
08040184-003	B-822 @ 27-28 FT	4	4/1/2008 5 27·00 PM
08040184-004	B-823 @ 3-4 FT	4	4/1/2008 5 35:00 PM
08040184-005	B-823 @ 9-10 FT	4	4/1/2008 5 58.00 PM
08040184-006	B-823 @ 13-15 FT	4	4/1/2008 6·07.00 PM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
LabOrder: 08040184
Report Date: 09-Apr-08

CASE NARRATIVE

Cooler Receipt Temp: 2.4 °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	# - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040184
Lab ID: 08040184-001
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-822 @ 7-8 FT
Collection Date: 4/1/2008 4:11:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**26.6**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**73.4**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 005		**ND**	mg/Kg-dry	1	4/9/2008 5 21 00 AM	TDN
Acenaphthylene	NELAP	0 005		**0.213**	mg/Kg-dry	1	4/9/2008 5 21 00 AM	TDN
Anthracene	NELAP	0 005		**0.010**	mg/Kg-dry	1	4/9/2008 5 21 00 AM	TDN
Benzo(a)anthracene	NELAP	0 005		**0.018**	mg/Kg-dry	1	4/9/2008 5 21 00 AM	TDN
Benzo(a)pyrene	NELAP	0 005		**0.029**	mg/Kg-dry	1	4/9/2008 5 21 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 005		**0.053**	mg/Kg-dry	1	4/9/2008 5 21 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 005		**0.054**	mg/Kg-dry	1	4/9/2008 5 21 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 005		**0.018**	mg/Kg-dry	1	4/9/2008 5 21 00 AM	TDN
Chrysene	NELAP	0 005		**0.017**	mg/Kg-dry	1	4/9/2008 5 21 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 005		**0.015**	mg/Kg-dry	1	4/9/2008 5 21 00 AM	TDN
Fluoranthene	NELAP	0 005		**0.019**	mg/Kg-dry	1	4/9/2008 5 21 00 AM	TDN
Fluorene	NELAP	0 005		**0.007**	mg/Kg-dry	1	4/9/2008 5 21 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 005		**0.045**	mg/Kg-dry	1	4/9/2008 5 21 00 AM	TDN
Naphthalene	NELAP	0 005		**0 012**	mg/Kg-dry	1	4/9/2008 5 21 00 AM	TDN
Phenanthrene	NELAP	0 005		**0.008**	mg/Kg-dry	1	4/9/2008 5 21 00 AM	TDN
Pyrene	NELAP	0 005		**0.030**	mg/Kg-dry	1	4/9/2008 5 21 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**50.7**	%REC	1	4/9/2008 5 21 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**61.9**	%REC	1	4/9/2008 5 21 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**64.7**	%REC	1	4/9/2008 5 21 00 AM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	6 4		**ND**	µg/Kg-dry	1	4/9/2008 4 40 00 AM	GEK
Ethylbenzene	NELAP	32 1		**ND**	µg/Kg-dry	1	4/9/2008 4 40 00 AM	GEK
Toluene	NELAP	32 1		**ND**	µg/Kg-dry	1	4/9/2008 4 40 00 AM	GEK
Xylenes, Total	NELAP	32 1		**ND**	µg/Kg-dry	1	4/9/2008 4 40 00 AM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**99.3**	%REC	1	4/9/2008 4 40 00 AM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**97.6**	%REC	1	4/9/2008 4 40 00 AM	GEK
Surr Dibromofluoromethane		66 6-130		**102.3**	%REC	1	4/9/2008 4 40 00 AM	GEK
Surr Toluene-d8		80 1-122		**97.6**	%REC	1	4/9/2008 4 40 00 AM	GEK

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040184
Lab ID: 08040184-002
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-822 @ 13-15 FT
Collection Date: 4/1/2008 5:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**11.8**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**88.2**	%	1	4/4/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 45		**9.99**	mg/Kg-dry	1	4/7/2008 8 23 17 PM	LAL
Chromium	NELAP	0 98		**18.5**	mg/Kg-dry	1	4/7/2008 8 23 17 PM	LAL
Lead	NELAP	3 92		**12.8**	mg/Kg-dry	1	4/7/2008 8 23 17 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 44 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 44 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 44 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 44 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 44 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 44 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 44 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 44 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 44 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 44 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 44 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 44 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 44 00 PM	TDN
Naphthalene	NELAP	0 004		**0.007**	mg/Kg-dry	1	4/7/2008 6 44 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 44 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 44 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**57.3**	%REC	1	4/7/2008 6 44 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**62.1**	%REC	1	4/7/2008 6 44 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**66.3**	%REC	1	4/7/2008 6 44 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**3.8**	µg/Kg-dry	1	4/9/2008 4 17 00 AM	JSA
Ethylbenzene	NELAP	3 9	J	**2.6**	µg/Kg-dry	1	4/9/2008 4 17 00 AM	JSA
Toluene	NELAP	3 9	J	**3.2**	µg/Kg-dry	1	4/9/2008 4 17 00 AM	JSA
Xylenes, Total	NELAP	3 9		**4.9**	µg/Kg-dry	1	4/9/2008 4 17 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**74.7**	%REC	1	4/9/2008 4 17 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**107.7**	%REC	1	4/9/2008 4 17 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**76.2**	%REC	1	4/9/2008 4 17 00 AM	JSA
Surr Toluene-d8		80 1-122		**101.4**	%REC	1	4/9/2008 4 17 00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 48	J	**0.25**	mg/Kg-dry	1	4/7/2008	AET

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040184
Lab ID: 08040184-002
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-822 @ 13-15 FT
Collection Date: 4/1/2008 5:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0.52		**Interference**	mg/Kg-dry	1	4/8/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040184
Lab ID: 08040184-003
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-822 @ 27-28 FT
Collection Date: 4/1/2008 5:27:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**11.3**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**88.7**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 7 19 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 7 19 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 7 19 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 7 19 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 7 19 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 7 19 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 7 19 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 7 19 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 7 19 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 7 19 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 7 19 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 7 19 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 7 19 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 7 19 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 7 19 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 7 19 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**48.3**	%REC	1	4/7/2008 7 19 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**56.5**	%REC	1	4/7/2008 7 19 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**66.7**	%REC	1	4/7/2008 7 19 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 1		**2.5**	µg/Kg-dry	1	4/8/2008 12 43 00 PM	JSA
Ethylbenzene	NELAP	5 6	J	**3.2**	µg/Kg-dry	1	4/8/2008 12 43 00 PM	JSA
Toluene	NELAP	5 6	J	**2.5**	µg/Kg-dry	1	4/8/2008 12 43 00 PM	JSA
Xylenes, Total	NELAP	5 6	J	**2.0**	µg/Kg-dry	1	4/8/2008 12 43 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**97.6**	%REC	1	4/8/2008 12.43 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**89.9**	%REC	1	4/8/2008 12 43 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**95.8**	%REC	1	4/8/2008 12 43 00 PM	JSA
Surr Toluene-d8		80 1-122		**99.7**	%REC	1	4/8/2008 12 43 00 PM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040184
Lab ID: 08040184-004
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-823 @ 3-4 FT
Collection Date: 4/1/2008 5:35:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**26.8**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**73.2**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 005		**ND**	mg/Kg-dry	1	4/7/2008 2 43 00 PM	TDN
Acenaphthylene	NELAP	0 005		**0.045**	mg/Kg-dry	1	4/7/2008 2 43 00 PM	TDN
Anthracene	NELAP	0 005		**0.010**	mg/Kg-dry	1	4/7/2008 2 43 00 PM	TDN
Benzo(a)anthracene	NELAP	0 005		**0.057**	mg/Kg-dry	1	4/7/2008 2 43 00 PM	TDN
Benzo(a)pyrene	NELAP	0 005		**0.067**	mg/Kg-dry	1	4/7/2008 2 43 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 005		**0.065**	mg/Kg-dry	1	4/7/2008 2 43 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 005		**0.059**	mg/Kg-dry	1	4/7/2008 2 43 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 005		**0.060**	mg/Kg-dry	1	4/7/2008 2 43 00 PM	TDN
Chrysene	NELAP	0 005		**0.058**	mg/Kg-dry	1	4/7/2008 2 43 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 005		**0.018**	mg/Kg-dry	1	4/7/2008 2 43 00 PM	TDN
Fluoranthene	NELAP	0 005		**0.063**	mg/Kg-dry	1	4/7/2008 2 43 00 PM	TDN
Fluorene	NELAP	0 005		**ND**	mg/Kg-dry	1	4/7/2008 2 43 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 005		**0.057**	mg/Kg-dry	1	4/7/2008 2 43 00 PM	TDN
Naphthalene	NELAP	0 005		**0.008**	mg/Kg-dry	1	4/7/2008 2 43 00 PM	TDN
Phenanthrene	NELAP	0 005		**0.032**	mg/Kg-dry	1	4/7/2008 2 43 00 PM	TDN
Pyrene	NELAP	0 005		**0.072**	mg/Kg-dry	1	4/7/2008 2 43 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**39 9**	%REC	1	4/7/2008 2 43 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**49.9**	%REC	1	4/7/2008 2 43 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**63.1**	%REC	1	4/7/2008 2 43 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 4		**ND**	µg/Kg-dry	1	4/8/2008 1 13 00 PM	JSA
Ethylbenzene	NELAP	6 8		**ND**	µg/Kg-dry	1	4/8/2008 1 13 00 PM	JSA
Toluene	NELAP	6 8	J	**1.4**	µg/Kg-dry	1	4/8/2008 1 13 00 PM	JSA
Xylenes, Total	NELAP	6 8	J	**2.6**	µg/Kg-dry	1	4/8/2008 1.13 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**107.5**	%REC	1	4/8/2008 1 13 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**96.0**	%REC	1	4/8/2008 1.13 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**100.4**	%REC	1	4/8/2008 1 13 00 PM	JSA
Surr Toluene-d8		80 1-122		**99.4**	%REC	1	4/8/2008 1:13 00 PM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040184
Lab ID: 08040184-005
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-823 @ 9-10 FT
Collection Date: 4/1/2008 5:58:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19.3**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80.7**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 022		**ND**	mg/Kg-dry	5	4/7/2008 3 10 00 PM	TDN
Acenaphthylene	NELAP	0 022		**0.372**	mg/Kg-dry	5	4/7/2008 3 10 00 PM	TDN
Anthracene	NELAP	0 022		**0.060**	mg/Kg-dry	5	4/7/2008 3 10 00 PM	TDN
Benzo(a)anthracene	NELAP	0 022		**0.484**	mg/Kg-dry	5	4/7/2008 3 10 00 PM	TDN
Benzo(a)pyrene	NELAP	0 022		**0.732**	mg/Kg-dry	5	4/7/2008 3 10 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 022		**0.350**	mg/Kg-dry	5	4/7/2008 3 10 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 022		**0.337**	mg/Kg-dry	5	4/7/2008 3 10 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 022		**0.368**	mg/Kg-dry	5	4/7/2008 3 10 00 PM	TDN
Chrysene	NELAP	0 022		**0 494**	mg/Kg-dry	5	4/7/2008 3 10 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 022		**0.085**	mg/Kg-dry	5	4/7/2008 3 10 00 PM	TDN
Fluoranthene	NELAP	0 022		**0.467**	mg/Kg-dry	5	4/7/2008 3 10 00 PM	TDN
Fluorene	NELAP	0 022		**0.022**	mg/Kg-dry	5	4/7/2008 3 10 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 022		**0.259**	mg/Kg-dry	5	4/7/2008 3 10 00 PM	TDN
Naphthalene	NELAP	0 022		**ND**	mg/Kg-dry	5	4/7/2008 3 10 00 PM	TDN
Phenanthrene	NELAP	0 022		**ND**	mg/Kg-dry	5	4/7/2008 3 10 00 PM	TDN
Pyrene	NELAP	0 022		**1.08**	mg/Kg-dry	5	4/7/2008 3 10 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**56.9**	%REC	5	4/7/2008 3 10 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**55.9**	%REC	5	4/7/2008 3 10 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**77.8**	%REC	5	4/7/2008 3 10 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**2.9**	µg/Kg-dry	1	4/8/2008 9 15 00 PM	JSA
Ethylbenzene	NELAP	6 2		**10.8**	µg/Kg-dry	1	4/8/2008 9 15 00 PM	JSA
Toluene	NELAP	6 2	J	**5.8**	µg/Kg-dry	1	4/8/2008 9 15 00 PM	JSA
Xylenes, Total	NELAP	6 2		**32.6**	µg/Kg-dry	1	4/8/2008 9 15 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**95.5**	%REC	1	4/8/2008 9 15 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**95.1**	%REC	1	4/8/2008 9 15 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**102.1**	%REC	1	4/8/2008 9 15 00 PM	JSA
Surr Toluene-d8		80 1-122		**100.2**	%REC	1	4/8/2008 9 15 00 PM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040184
Lab ID: 08040184-006
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-823 @ 13-15 FT
Collection Date: 4/1/2008 6:07:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**14.2**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**85.8**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 020		**0.160**	mg/Kg-dry	5	4/7/2008 3 37 00 PM	TDN
Acenaphthylene	NELAP	0 020		**0.471**	mg/Kg-dry	5	4/7/2008 3 37 00 PM	TDN
Anthracene	NELAP	0 020		**0.602**	mg/Kg-dry	5	4/7/2008 3 37 00 PM	TDN
Benzo(a)anthracene	NELAP	0 020		**0.559**	mg/Kg-dry	5	4/7/2008 3 37 00 PM	TDN
Benzo(a)pyrene	NELAP	0 020		**0.570**	mg/Kg-dry	5	4/7/2008 3 37 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 020		**0.279**	mg/Kg-dry	5	4/7/2008 3 37 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 020		**0.247**	mg/Kg-dry	5	4/7/2008 3 37 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 020		**0.297**	mg/Kg-dry	5	4/7/2008 3 37 00 PM	TDN
Chrysene	NELAP	0 020		**0.524**	mg/Kg-dry	5	4/7/2008 3 37 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 020		**0.064**	mg/Kg-dry	5	4/7/2008 3 37 00 PM	TDN
Fluoranthene	NELAP	0 020		**0.983**	mg/Kg-dry	5	4/7/2008 3 37 00 PM	TDN
Fluorene	NELAP	0 020		**0.516**	mg/Kg-dry	5	4/7/2008 3 37 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 020		**0.193**	mg/Kg-dry	5	4/7/2008 3 37 00 PM	TDN
Naphthalene	NELAP	0 020		**ND**	mg/Kg-dry	5	4/7/2008 3 37 00 PM	TDN
Phenanthrene	NELAP	0 020		**2.48**	mg/Kg-dry	5	4/7/2008 3 37 00 PM	TDN
Pyrene	NELAP	0 020		**1.49**	mg/Kg-dry	5	4/7/2008 3 37 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**53.9**	%REC	5	4/7/2008 3 37 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**52.9**	%REC	5	4/7/2008 3 37 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**71.9**	%REC	5	4/7/2008 3 37 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**2.4**	µg/Kg-dry	1	4/9/2008 3 08 00 PM	JSA
Ethylbenzene	NELAP	4 4		**5.8**	µg/Kg-dry	1	4/9/2008 3 08 00 PM	JSA
Toluene	NELAP	4 4		**4.9**	µg/Kg-dry	1	4/9/2008 3 08 00 PM	JSA
Xylenes, Total	NELAP	4 4		**8.7**	µg/Kg-dry	1	4/9/2008 3 08 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**81.3**	%REC	1	4/9/2008 3 08 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**84.7**	%REC	1	4/9/2008 3 08 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**104.8**	%REC	1	4/9/2008 3 08 00 PM	JSA
Surr Toluene-d8		80 1-122		**97.1**	%REC	1	4/9/2008 3 08 00 PM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040184
Report Date: 09-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040184-001A	B-822 @ 7-8 FT	4/1/2008	Solid	ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/6/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/9/2008
08040184-001B				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008
08040184-002A	B-822 @ 13-15 FT			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3050B, 6010B, Metals by ICP	4/4/2008	4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/6/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
				SW-846 9010B, 9014	4/4/2008	4/7/2008
				SW-846 9014A	4/4/2008	4/8/2008
08040184-002D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/9/2008
08040184-003A	B-822 @ 27-28 FT			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/6/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040184-003D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
08040184-004A	B-823 @ 3-4 FT			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/6/2008

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DATES REPORT

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040184
Report Date: 09-Apr-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040184-004A	B-823 @ 3-4 FT	4/1/2008	Solid	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040184-004D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
08040184-005A	B-823 @ 9-10 FT			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/6/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040184-005D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
08040184-006A	B-823 @ 13-15 FT			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/6/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040184-006D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/9/2008
				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report.

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD) The acceptable recovery limit is listed in this report.

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes. (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040184 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_ACN_S_MT

Sample ID. **MB-43868**	SampType. **MBLK**			Units: **mg/Kg**		Prep Date. **4/4/2008**		RunNo **106511**			
Client ID **ZZZZZZ**	Batch ID. **43868**			**SOP2092**		Analysis Date: **4/8/2008**		SeqNo **1902016**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination	< 0 50	0 50									

Sample ID **LCS-43868**	SampType **LCS**			Units: **mg/Kg**		Prep Date **4/4/2008**		RunNo **106511**			
Client ID **ZZZZZZ**	Batch ID **43868**			**SOP2092**		Analysis Date **4/8/2008**		SeqNo **1902017**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination	9 86	0 50	10 00	0	98 6	85	115				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040184 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TCN_S_MT

Sample ID **MB-43867**	SampType **MBLK**			Units: **mg/Kg**		Prep Date: **4/4/2008**		RunNo **106471**		
Client ID: **ZZZZZZ**	Batch ID: **43867**			**SW9010**		Analysis Date **4/7/2008**		SeqNo **1900925**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0 01	0 01								-	

Sample ID **LCS-43867**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **4/4/2008**		RunNo **106471**		
Client ID: **ZZZZZZ**	Batch ID: **43867**			**SW9010**		Analysis Date: **4/7/2008**		SeqNo: **1900926**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0 20	0.01	0 2000	0	98 9	85	115				

Sample ID: **LCSD-43867**	SampType: **LCSD**			Units: **mg/Kg**		Prep Date: **4/4/2008**		RunNo **106471**		
Client ID: **ZZZZZZ**	Batch ID: **43867**			**SW9010**		Analysis Date: **4/7/2008**		SeqNo: **1900927**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0 19	0 01	0 2000	0	97 3	85	115	0 1979	1.72	15	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040184 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TS_M_MT

Sample ID. **LCS-R106413**	SampType: **LCS**			Units: **%**		Prep Date		RunNo **106413**		
Client ID. **ZZZZZZ**	Batch ID: **R106413**					Analysis Date. **4/4/2008**		SeqNo. **1899672**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	1 0	0.1	1 000	0	100	90	110				

Sample ID **LCSQC**	SampType: **LCSQC**			Units: **%**		Prep Date:		RunNo: **106413**		
Client ID: **ZZZZZZ**	Batch ID: **R106413**					Analysis Date: **4/4/2008**		SeqNo: **1899673**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	1 0	0 1	1 000	0	100	90	110				

Sample ID **08040184-002ADUP**	SampType: **DUP**			Units: **%**		Prep Date:		RunNo. **106413**		
Client ID: **B-822 @ 13-15 FTDU**	Batch ID: **R106413**					Analysis Date: **4/4/2008**		SeqNo: **1899680**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	89 2	0 1						88.22	1 08	15	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040184 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_SOLIDS_ICP

Sample ID	MB-43839	SampType	MBLK			Units:	mg/Kg-dry	Prep Date:	4/4/2008		RunNo	106443
Client ID	ZZZZZZ	Batch ID:	43839				SOP 3032	Analysis Date.	4/7/2008		SeqNo	1901335

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 2.50	2 50	2 500	0	0	-100	100				
Chromium	< 1 00	1.00	1 000	0	0	-100	100				
Lead	< 4 00	4.00	4 000	0	0	-100	100				

Sample ID	LCS-43839	SampType	LCS			Units:	mg/Kg-dry	Prep Date.	4/4/2008		RunNo	106443
Client ID	ZZZZZZ	Batch ID:	43839				SOP 3032	Analysis Date	4/7/2008		SeqNo	1901336

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	204	2.50	200.0	0	101.9	85	115				
Chromium	20.8	1.00	20 00	0	103 8	85	115				
Lead	52 5	4.00	50 00	0	105 0	85	115				

Sample ID	08040184-002AMS	SampType	MS			Units:	mg/Kg-dry	Prep Date:	4/4/2008		RunNo	106443
Client ID.	B-822 @ 13-15 FTM	Batch ID:	43839				SOP 3032	Analysis Date:	4/7/2008		SeqNo	1901361

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	200	2 45	196 1	9.990	96 9	75	125				
Chromium	38 0	0 98	19.61	18 49	99 6	75	125				
Lead	59.0	3 92	49 02	12 81	94.3	75	125				

Sample ID	08040184-002AMSD	SampType	MSD			Units:	mg/Kg-dry	Prep Date:	4/4/2008		RunNo.	106443
Client ID	B-822 @ 13-15 FTM	Batch ID:	43839				SOP 3032	Analysis Date	4/7/2008		SeqNo	1901362

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	197	2.45	196.1	9 990	95 5	75	125	200 0	1 43	20	
Chromium	37 6	0.98	19.61	18 49	97 6	75	125	38 02	1.06	20	
Lead	57 5	3.92	49 02	12 81	91 1	75	125	59 03	2 68	20	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040184 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID: **MB-43881**	SampType **MBLK**			Units: **mg/Kg**		Prep Date **4/7/2008**		RunNo **106478**		
Client ID **ZZZZZZ**	Batch ID: **43881**			**SW3550B**		Analysis Date: **4/7/2008**		SeqNo. **1901585**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 003									
Acenaphthylene	ND	0 003									
Anthracene	ND	0.003									
Benzo(a)anthracene	ND	0.003									
Benzo(a)pyrene	ND	0.003									
Benzo(b)fluoranthene	ND	0.003									
Benzo(g,h,i)perylene	ND	0 003									
Benzo(k)fluoranthene	ND	0.003									
Chrysene	ND	0 003									
Dibenzo(a,h)anthracene	ND	0.003									
Fluoranthene	ND	0.003									
Fluorene	ND	0.003									
Indeno(1,2,3-cd)pyrene	ND	0.003									
Naphthalene	ND	0 003									
Phenanthrene	ND	0 003									
Pyrene	ND	0.003									
Surr 2-Fluorobiphenyl	0.123		0 1670		73 9	17 5	123				
Surr Nitrobenzene-d5	0.114		0 1670		68.1	35	105				
Surr p-Terphenyl-d14	0 124		0 1670		74 5	53 6	122				

Sample ID **LCS-43881**	SampType **LCS**			Units: **mg/Kg**		Prep Date: **4/7/2008**		RunNo. **106478**		
Client ID **ZZZZZZ**	Batch ID: **43881**			**SW3550B**		Analysis Date: **4/7/2008**		SeqNo: **1901586**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.110	0.003	0 1670	0	66 1	56 3	115				
Acenaphthylene	0 134	0.003	0 1670	0	80 5	60 3	143				
Anthracene	0 106	0.003	0 1670	0	63 2	52 1	109				
Benzo(a)anthracene	0.109	0 003	0 1670	0	65 0	52 8	112				
Benzo(a)pyrene	0 111	0 003	0 1670	0	66 6	40.8	127				
Benzo(b)fluoranthene	0.126	0.003	0.1670	0	75.3	50 1	150				
Benzo(g,h,i)perylene	0.123	0.003	0.1670	0	73 6	52 8	145				

Client: Philip Environmental
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Lab Order: 08040184 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID. **LCS-43881**	SampType **LCS**			Units: **mg/Kg**		Prep Date: **4/7/2008**		RunNo **106478**			
Client ID. **ZZZZZZ**	Batch ID: **43881**			**SW3550B**		Analysis Date. **4/7/2008**		SeqNo **1901586**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.128	0.003	0 1670	0	76 9	52	153				
Chrysene	0.120	0.003	0 1670	0	71.6	60 8	128				
Dibenzo(a,h)anthracene	0.122	0.003	0 1670	0	73 1	54 9	150				
Fluoranthene	0 114	0.003	0 1670	0	68 4	58 7	125				
Fluorene	0 116	0.003	0.1670	0	69 6	57 8	125				
Indeno(1,2,3-cd)pyrene	0 120	0.003	0 1670	0	71.9	52	147				
Naphthalene	0 091	0.003	0 1670	0	54 7	54 8	113				S
Phenanthrene	0.115	0.003	0 1670	0	68 8	60 4	121				
Pyrene	0.117	0.003	0 1670	0	70.2	57 9	129				
Surr. 2-Fluorobiphenyl	0.115		0.1670		69.1	35.3	113				
Surr. Nitrobenzene-d5	0 106		0.1670		63 7	33.9	108				
Surr p-Terphenyl-d14	0 118		0 1670		70.7	58 4	122				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040184 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID LCS-G080408-1	SampType LCS			Units. µg/Kg		Prep Date: 4/8/2008		RunNo 106524		
Client ID. ZZZZZZ	Batch ID: 43917			SW5035		Analysis Date. 4/8/2008		SeqNo: 1902238		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.2	1.0	50 00	0	100 3	75	123				
Toluene	50 4	5.0	50.00	0	100 7	77 3	117				
Ethylbenzene	51.8	5.0	50.00	0	103 6	80 8	118				
Xylenes, Total	104	5 0	100.0	0	104 4	78 5	121				
Surr 1,2-Dichloroethane-d4	50 1		50 00		100 1	61	128				
Surr. 4-Bromofluorobenzene	48.7		50 00		97 4	78 2	117				
Surr. Dibromofluoromethane	51 7		50 00		103.4	66 6	130				
Surr: Toluene-d8	49.7		50.00		99 4	80 1	122				

Sample ID LCSD-G080408-1	SampType LCSD			Units: µg/Kg		Prep Date: 4/8/2008		RunNo 106524		
Client ID. ZZZZZZ	Batch ID. 43917			SW5035		Analysis Date: 4/8/2008		SeqNo. 1902239		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.2	1.0	50 00	0	100.3	75	123	50 15	0	20	
Toluene	50.2	5.0	50 00	0	100 3	77 3	117	50 35	0 358	20	
Ethylbenzene	52.0	5 0	50 00	0	104 1	80 8	118	51 78	0 482	20	
Xylenes, Total	103	5.0	100.0	0	103 4	78 5	121	104 4	0.963	20	
Surr 1,2-Dichloroethane-d4	51.1		50.00		102.2	61	128		0	0	
Surr 4-Bromofluorobenzene	49.1		50.00		98 2	78.2	117		0	0	
Surr Dibromofluoromethane	50.9		50.00		101 9	66 6	130		0	0	
Surr. Toluene-d8	49.8		50.00		99 6	80 1	122		0	0	

Sample ID MBLK-G080408-1	SampType MBLK			Units: µg/Kg		Prep Date: 4/8/2008		RunNo. 106524		
Client ID ZZZZZZ	Batch ID 43917			SW5035		Analysis Date: 4/8/2008		SeqNo: 1902241		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040184 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID MBLK-G080408-1	SampType MBLK			Units: µg/Kg		Prep Date. 4/8/2008		RunNo 106524		
Client ID ZZZZZZ	Batch ID: 43917			SW5035		Analysis Date 4/8/2008		SeqNo: 1902241		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr 1,2-Dichloroethane-d4	48 5		50 00		97 1	61	128				
Surr 4-Bromofluorobenzene	47.9		50 00		95 8	78 2	117				
Surr Dibromofluoromethane	50.4		50 00		100.9	66 6	130				
Surr Toluene-d8	49.2		50.00		98.3	80 1	122				

Sample ID LCS-G080408-2	SampType LCS			Units µg/Kg		Prep Date: 4/8/2008		RunNo. 106557		
Client ID ZZZZZZ	Batch ID 43936			SW5035		Analysis Date 4/9/2008		SeqNo: 1903051		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.2	1.0	50.00	0	94 5	75	123				
Toluene	46 8	5 0	50.00	0	93 5	77 3	117				
Ethylbenzene	48 2	5 0	50.00	0	96.4	80 8	118				
Xylenes, Total	95.6	5.0	100.0	0	95 6	78 5	121				
Surr 1,2-Dichloroethane-d4	48.7		50 00		97.3	61	128				
Surr 4-Bromofluorobenzene	49.7		50 00		99 4	78 2	117				
Surr: Dibromofluoromethane	49.5		50.00		98 9	66 6	130				
Surr Toluene-d8	48.8		50.00		97.7	80.1	122				

Sample ID LCSD-G080408-2	SampType LCSD			Units: µg/Kg		Prep Date 4/8/2008		RunNo 106557		
Client ID. ZZZZZZ	Batch ID: 43936			SW5035		Analysis Date 4/9/2008		SeqNo 1903052		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49 2	1.0	50.00	0	98 4	75	123	47 24	4 02	20	
Toluene	48.0	5 0	50 00	0	95 9	77 3	117	46 77	2 53	20	
Ethylbenzene	49.2	5 0	50 00	0	98 5	80 8	118	48 22	2 09	20	
Xylenes, Total	98 5	5 0	100.0	0	98 5	78 5	121	95 64	2 96	20	
Surr. 1,2-Dichloroethane-d4	47.8		50.00		95 6	61	128		0	0	
Surr 4-Bromofluorobenzene	49 5		50.00		99.1	78.2	117		0	0	
Surr Dibromofluoromethane	49 8		50 00		99 5	66 6	130		0	0	
Surr Toluene-d8	48 7		50 00		97.4	80 1	122		0	0	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040184 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID. **MBLK-G080408-2**	SampType **MBLK**			Units: **µg/Kg**		Prep Date: **4/8/2008**		RunNo **106557**		
Client ID. **ZZZZZZ**	Batch ID **43936**			**SW5035**		Analysis Date **4/9/2008**		SeqNo: **1903054**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									
Surr: 1,2-Dichloroethane-d4	47.0		50.00		93 9	61	128				
Surr. 4-Bromofluorobenzene	48 8		50 00		97 6	78 2	117				
Surr Dibromofluoromethane	49.2		50.00		98 5	66 6	130				
Surr: Toluene-d8	49 5		50.00		99 0	80.1	122				

Sample ID. **LCS-G080409-1**	SampType **LCS**			Units: **µg/Kg**		Prep Date: **4/9/2008**		RunNo: **106598**		
Client ID: **ZZZZZZ**	Batch ID. **43954**			**SW5035**		Analysis Date. **4/9/2008**		SeqNo: **1903869**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.5	1 0	50.00	0	97.0	75	123				
Toluene	48 3	5 0	50 00	0	96 7	77 3	117				
Ethylbenzene	50 7	5 0	50 00	0	101 4	80.8	118				
Xylenes, Total	101	5.0	100.0	0	100.9	78 5	121				
Surr. 1,2-Dichloroethane-d4	46.7		50 00		93 3	61	128				
Surr 4-Bromofluorobenzene	49.4		50.00		98.8	78 2	117				
Surr Dibromofluoromethane	48.8		50 00		97.6	66 6	130				
Surr Toluene-d8	49 4		50.00		98.9	80 1	122				

Sample ID **LCSD-G080409-1**	SampType· **LCSD**			Units: **µg/Kg**		Prep Date: **4/9/2008**		RunNo· **106598**		
Client ID **ZZZZZZ**	Batch ID· **43954**			**SW5035**		Analysis Date: **4/9/2008**		SeqNo **1903870**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	52 0	1.0	50.00	0	103 9	75	123	48 50	6 91	20	
Toluene	51.7	5.0	50.00	0	103 4	77 3	117	48 33	6 74	20	
Ethylbenzene	53 6	5 0	50.00	0	107 2	80 8	118	50 72	5 48	20	
Xylenes, Total	107	5 0	100 0	0	106 7	78 5	121	100 9	5 65	20	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040184 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID	LCSD-G080409-1	SampType	LCSD	Units:	µg/Kg	Prep Date:	4/9/2008	RunNo	106598
Client ID.	ZZZZZZ	Batch ID	43954		SW5035	Analysis Date	4/9/2008	SeqNo:	1903870

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	48.2		50.00		96 5	61	128		0	0	
Surr 4-Bromofluorobenzene	49 3		50 00		98 6	78 2	117		0	0	
Surr: Dibromofluoromethane	49.5		50 00		99 0	66 6	130		0	0	
Surr Toluene-d8	48 6		50 00		97 2	80 1	122		0	0	

Sample ID	MBLK-G080409-1	SampType	MBLK	Units:	µg/Kg	Prep Date:	4/9/2008	RunNo:	106598
Client ID	ZZZZZZ	Batch ID:	43954		SW5035	Analysis Date:	4/9/2008	SeqNo.	1903871

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1.0									
Toluene	ND	5 0									
Ethylbenzene	ND	5 0									
Xylenes, Total	ND	5.0									
Surr 1,2-Dichloroethane-d4	46 9		50 00		93 9	61	128				
Surr 4-Bromofluorobenzene	48 7		50 00		97 4	78 2	117				
Surr. Dibromofluoromethane	47 9		50 00		95 8	66 6	130				
Surr. Toluene-d8	49.0		50.00		98.1	80.1	122				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040184 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S_5030

Sample ID: **LCS-F080408-2**	SampType: **LCS**			Units: **µg/Kg**		Prep Date: **4/9/2008**		RunNo **106560**		
Client ID: **ZZZZZZ**	Batch ID: **43939**			**SW5030**		Analysis Date: **4/8/2008**		SeqNo. **1903098**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.1	1 0	50.00	0	100 2	75	123				
Toluene	49.3	5 0	50.00	0	98.6	77 3	117				
Ethylbenzene	51 2	5 0	50 00	0	102 5	80 8	118				
Xylenes, Total	103	5 0	100 0	0	103 2	78 5	121				
Surr: 1,2-Dichloroethane-d4	48 0		50.00		96.0	61	128				
Surr: 4-Bromofluorobenzene	50 2		50.00		100 4	78.2	117				
Surr Dibromofluoromethane	49 6		50.00		99 2	66 6	130				
Surr: Toluene-d8	48 4		50 00		96 8	80 1	122				

Sample ID **LCSD-F080408-2**	SampType: **LCSD**			Units **µg/Kg**		Prep Date: **4/9/2008**		RunNo. **106560**		
Client ID. **ZZZZZZ**	Batch ID: **43939**			**SW5030**		Analysis Date. **4/8/2008**		SeqNo. **1903099**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.5	1.0	50.00	0	101.0	75	123	50.09	0 835	20	
Toluene	49.4	5.0	50.00	0	98 9	77 3	117	49 32	0 243	20	
Ethylbenzene	50 9	5 0	50 00	0	101 8	80 8	118	51 25	0 666	20	
Xylenes, Total	102	5.0	100.0	0	102 4	78 5	121	103.2	0.827	20	
Surr. 1,2-Dichloroethane-d4	49 8		50.00		99.6	61	128		0	0	
Surr 4-Bromofluorobenzene	50.2		50.00		100.4	78.2	117		0	0	
Surr Dibromofluoromethane	49.8		50 00		99 7	66 6	130		0	0	
Surr Toluene-d8	48.4		50 00		96 9	80 1	122		0	0	

Sample ID **MBLK-F080408-2**	SampType: **MBLK**			Units: **µg/Kg**		Prep Date **4/9/2008**		RunNo: **106560**		
Client ID **ZZZZZZ**	Batch ID: **43939**			**SW5030**		Analysis Date. **4/9/2008**		SeqNo **1903101**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1 0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5 0									

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040184 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S_5030

Sample ID. **MBLK-F080408-2**	SampType. **MBLK**			Units· **µg/Kg**		Prep Date: **4/9/2008**		RunNo **106560**		
Client ID: **ZZZZZZ**	Batch ID: **43939**			**SW5030**		Analysis Date: **4/9/2008**		SeqNo. **1903101**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr 1,2-Dichloroethane-d4	51 0		50 00		102 0	61	128				
Surr 4-Bromofluorobenzene	49 6		50.00		99 1	78 2	117				
Surr· Dibromofluoromethane	51 3		50.00		102 6	66 6	130				
Surr Toluene-d8	48.3		50.00		96 6	80 1	122				

Sample ID· **08040184-001BMS**	SampType· **MS**			Units: **µg/Kg-dry**		Prep Date: **4/9/2008**		RunNo· **106560**		
Client ID: **B-822 @ 7-8 FTMS**	Batch ID: **43939**			**SW5030**		Analysis Date: **4/9/2008**		SeqNo **1903103**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	302	6.5	324 4	0	93 2	59 8	141				
Toluene	305	32 4	324 4	0	93 9	62 4	138				
Ethylbenzene	306	32.4	324.4	0	94.3	64.8	141				
Xylenes, Total	612	32 4	648 8	0	94.3	51.2	157				
Surr. 1,2-Dichloroethane-d4	339		324.4		104 5	61	128				
Surr 4-Bromofluorobenzene	325		324.4		100 1	78 2	117				
Surr Dibromofluoromethane	337		324.4		104 0	66 6	130				
Surr. Toluene-d8	316		324 4		97.4	80.1	122				

Sample ID **08040184-001BMSD**	SampType **MSD**			Units: **µg/Kg-dry**		Prep Date **4/9/2008**		RunNo **106560**		
Client ID· **B-822 @ 7-8 FTMSD**	Batch ID: **43939**			**SW5030**		Analysis Date. **4/9/2008**		SeqNo **1903104**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	309	6 7	333.9	0	92 4	59 8	141	302 5	2 04	20	
Toluene	313	33 4	333.9	0	93 8	62 4	138	304 5	2 86	20	
Ethylbenzene	318	33 4	333.9	0	95 3	64 8	141	305 8	3.97	20	
Xylenes, Total	638	33.4	667 8	0	95.5	51 2	157	611 8	4 20	20	
Surr 1,2-Dichloroethane-d4	331		333.9		99 2	61	128		0	0	
Surr. 4-Bromofluorobenzene	332		333.9		99 3	78 2	117		0	0	
Surr· Dibromofluoromethane	340		333.9		101 7	66 6	130		0	0	
Surr Toluene-d8	323		333.9		96 8	80 1	122		0	0	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

RECEIVING CHECK LIST

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040184
Report Date: 09-Apr-08

Carrier: Derrek Ingram

Received By: AMH

Completed by: Amanda M Harris
On: 04-Apr-08

Reviewed by: Marvin L Darling
On: 04-Apr-08

Pages to follow | Chain of custody: 1 | Extra pages included: 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 2.4
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑	
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0 1°C - 6 0°C, or when samples are received on ice the same day as collected				
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑	
Water - pH acceptable upon receipt?	Yes ☑	No ☐		

Any No responses must be detailed below or on the COC

No volatile vials received for B-822 (7-8 ft) Per Derek Ingram, proceed with anlaysis using method 5030 Combine any samples that have depths within three ft Round sample ID's to nearest whole foot AMH 4/3/08

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

08040184

COC Serial No. B 08862

Project Name: AmerenIP Champaign **Project Mgr.:** Derek Ingram
Project Number: 62403053 **Cost Code:** 024501
Sampler(s): L. Hoosier
Laboratory Name: Teklab
Location: Collinsville IL

Laboratory Temperature upon Receipt: 2.4

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX 5035 8260B	PAH 8270SIM*	Metals* 9010 9014	Cyanide 9010 9014	TOC D2974-87	PH 9045C	Comments (Field PID)	Lab ID #'s
B-822 (7.5'-8')	4-1	1611	X					4	X	X					*Metals -	001
B-822 (14'-15')	4-1	1700	X					2	X	X					arsenic, chromium,	002
B-822 (13'-13.5')	4-1	1700	X					1			X	X			lead	
B-822 (27.5'-28.5')	4-1	1727	X					5	X	X						003
B-823 (3-3.5')	4-1	1735	X					5	X	X					Cyanide - total	004
B-823 (9'-9.5')	4-1	1758	X					5	X	X					+ amerable	005
B-823 (13.5'-14.5')	4-1	1807	X					5	X	X						006

Per D. Ingram combined any depths written in the same B/ft. Show depths to nearest foot. AMH 4/3/08

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: Derek Ingram
Send Invoice to:
QC Deliverable Requested ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Leslie Hoosier	4-3-08	1400
Derek Ingram	4/3	1730

Received by:

Signature	Date	Time
Derek Ingram	4/3/08	1400
A. Hoosier	4/9/08	1730

Distribution. WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

April 10, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH nelac
NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign **WorkOrder:** 08040186

Dear Derek Ingram:

TEKLAB, INC received 12 samples on 4/3/2008 5:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186
Report Date: 10-Apr-08

SAMPLE SUMMARY

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08040186-001	B-814 @ 0-2 ft	4	4/1/2008 9:05 00 AM
08040186-002	B-814 @ 7-8 ft	4	4/1/2008 9 40 00 AM
08040186-003	B-814 @ 17-18 ft	4	4/1/2008 10 30 00 AM
08040186-004	B-816 @ 1-2 ft	4	4/1/2008 11 20 00 AM
08040186-005	B-816 @ 9-10 ft	4	4/1/2008 12 16:00 PM
08040186-006	B-816 @ 19-21 ft	4	4/1/2008 1 30 00 PM
08040186-007	B-818 @ 2-3 ft	4	4/1/2008 1 45 00 PM
08040186-008	B-818 @ 7-9 ft	4	4/1/2008 2 05 00 PM
08040186-009	B-818 @ 13-15 ft	4	4/1/2008 2 38.00 PM
08040186-010	B-818 @ 24-26 ft	4	4/1/2008 3:18 00 PM
08040186-011	B-822 @ 6-8 ft	4	4/1/2008 4 11 00 PM
08040186-012	B-822 @ 1-3 ft	4	4/1/2008 3:35:00 PM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
LabOrder: 08040186
Report Date: 10-Apr-08

CASE NARRATIVE

Cooler Receipt Temp: 2.6 °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	**#** - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-001
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-814 @ 0-2 ft
Collection Date: 4/1/2008 9:05:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
FOC (0 58 conversion factor)		0 10		**4 55**	wt%	1	4/4/2008	TWN
Organic Matter		0 10		**7.84**	wt%	1	4/4/2008	TWN
Percent Moisture		0 1		**46.4**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**53.6**	%	1	4/4/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 40		**5.29**	mg/Kg-dry	1	4/7/2008 10 56 14 PM	LAL
Chromium	NELAP	0 96		**23.4**	mg/Kg-dry	1	4/7/2008 10 56 14 PM	LAL
Lead	NELAP	3 85		**53 3**	mg/Kg-dry	1	4/7/2008 10 56 14 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 063		**ND**	mg/Kg-dry	10	4/8/2008 8 31 00 PM	TDN
Acenaphthylene	NELAP	0 063		**0.823**	mg/Kg-dry	10	4/8/2008 8 31 00 PM	TDN
Anthracene	NELAP	0 063		**0.188**	mg/Kg-dry	10	4/8/2008 8 31 00 PM	TDN
Benzo(a)anthracene	NELAP	0 063		**0.770**	mg/Kg-dry	10	4/8/2008 8 31 00 PM	TDN
Benzo(a)pyrene	NELAP	0 063		**1.09**	mg/Kg-dry	10	4/8/2008 8 31 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 063		**1.55**	mg/Kg-dry	10	4/8/2008 8 31 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 063		**1.04**	mg/Kg-dry	10	4/8/2008 8 31 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 063		**0.491**	mg/Kg-dry	10	4/8/2008 8 31 00 PM	TDN
Chrysene	NELAP	0 063		**1.08**	mg/Kg-dry	10	4/8/2008 8 31 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 063		**0.244**	mg/Kg-dry	10	4/8/2008 8 31 00 PM	TDN
Fluoranthene	NELAP	0 063		**1.15**	mg/Kg-dry	10	4/8/2008 8 31 00 PM	TDN
Fluorene	NELAP	0 063		**0.081**	mg/Kg-dry	10	4/8/2008 8 31 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 063		**0.828**	mg/Kg-dry	10	4/8/2008 8 31 00 PM	TDN
Naphthalene	NELAP	0 063		**0.077**	mg/Kg-dry	10	4/8/2008 8 31 00 PM	TDN
Phenanthrene	NELAP	0 063		**0.549**	mg/Kg-dry	10	4/8/2008 8 31 00 PM	TDN
Pyrene	NELAP	0 063		**1.57**	mg/Kg-dry	10	4/8/2008 8 31 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**57.9**	%REC	10	4/8/2008 8 31 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**61.9**	%REC	10	4/8/2008 8 31 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**77.8**	%REC	10	4/8/2008 8 31 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 9		**ND**	µg/Kg-dry	1	4/8/2008 7 44 00 PM	JSA
Ethylbenzene	NELAP	9 3		**ND**	µg/Kg-dry	1	4/8/2008 7 44 00 PM	JSA
Toluene	NELAP	9 3		**ND**	µg/Kg-dry	1	4/8/2008 7 44 00 PM	JSA
Xylenes, Total	NELAP	9 3		**ND**	µg/Kg-dry	1	4/8/2008 7 44 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**107.6**	%REC	1	4/8/2008 7 44 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**95.6**	%REC	1	4/8/2008 7 44 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**100**	%REC	1	4/8/2008 7 44 00 PM	JSA
Surr Toluene-d8		80 1-122		**98.6**	%REC	1	4/8/2008 7 44 00 PM	JSA

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-001
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-814 @ 0-2 ft
Collection Date: 4/1/2008 9:05:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9010B, 9014								
Cyanide	NELAP	0 46		**6 58**	mg/Kg-dry	1	4/7/2008	AET
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 92		**Interference**	mg/Kg-dry	1	4/8/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-002
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-814 @ 7-8 ft
Collection Date: 4/1/2008 9:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
FOC (0 58 conversion factor)		0 10		**0 50**	wt%	1	4/4/2008	TWN
Organic Matter		0 10		**0.86**	wt%	1	4/4/2008	TWN
Percent Moisture		0 1		**18.5**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**81.5**	%	1	4/4/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 45		**10.1**	mg/Kg-dry	1	4/7/2008 11 03 02 PM	LAL
Chromium	NELAP	0 98		**14.2**	mg/Kg-dry	1	4/7/2008 11 03 02 PM	LAL
Lead	NELAP	3 92		**10.1**	mg/Kg-dry	1	4/7/2008 11 03 02 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 15 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 15 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 15 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 15 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 15 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 15 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 15 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 15 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 15 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 15 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 15 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 15 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 15 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 15 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 15 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 15 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**46.9**	%REC	1	4/7/2008 3 15 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**61.3**	%REC	1	4/7/2008 3 15 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**69.1**	%REC	1	4/7/2008 3 15 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**1.2**	µg/Kg-dry	1	4/8/2008 8 14 00 PM	JSA
Ethylbenzene	NELAP	6 1		**ND**	µg/Kg-dry	1	4/8/2008 8 14 00 PM	JSA
Toluene	NELAP	6 1	J	**1.8**	µg/Kg-dry	1	4/8/2008 8 14 00 PM	JSA
Xylenes, Total	NELAP	6 1	J	**1.3**	µg/Kg-dry	1	4/8/2008 8 14 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**101.0**	%REC	1	4/8/2008 8 14 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**91.8**	%REC	1	4/8/2008 8 14 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**99.1**	%REC	1	4/8/2008 8 14 00 PM	JSA
Surr Toluene-d8		80 1-122		**96.3**	%REC	1	4/8/2008 8 14 00 PM	JSA

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-002
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-814 @ 7-8 ft
Collection Date: 4/1/2008 9:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9010B, 9014								
Cyanide	NELAP	0 46		**11.1**	mg/Kg-dry	1	4/7/2008	AET
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 61		**< 0 61**	mg/Kg-dry	1	4/8/2008	AET

Sample Narrative

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-003
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-814 @ 17-18 ft
Collection Date: 4/1/2008 10:30:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19 1**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80.9**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 50 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 50 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 50 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 50 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 50 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 50 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	4/7/2008 3 50 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 50 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 50 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 50 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 50 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 50 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 50 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 50 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 3 50 00 PM	TDN
Pyrene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	4/7/2008 3 50 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**62.9**	%REC	1	4/7/2008 3 50 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**59.1**	%REC	1	4/7/2008 3 50 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**66 7**	%REC	1	4/7/2008 3 50 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**2.0**	µg/Kg-dry	1	4/8/2008 8 45 00 PM	JSA
Ethylbenzene	NELAP	6 2		**ND**	µg/Kg-dry	1	4/8/2008 8 45 00 PM	JSA
Toluene	NELAP	6 2	J	**2.5**	µg/Kg-dry	1	4/8/2008 8 45 00 PM	JSA
Xylenes, Total	NELAP	6 2	J	**1.7**	µg/Kg-dry	1	4/8/2008 8 45 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**97.1**	%REC	1	4/8/2008 8 45 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**93.0**	%REC	1	4/8/2008 8 45 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**94.5**	%REC	1	4/8/2008 8 45 00 PM	JSA
Surr Toluene-d8		80 1-122		**96 4**	%REC	1	4/8/2008 8 45 00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-004
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-816 @ 1-2 ft
Collection Date: 4/1/2008 11:20:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**22.6**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**77.4**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 009		**ND**	mg/Kg-dry	2	4/9/2008 4 44 00 AM	TDN
Acenaphthylene	NELAP	0 009		**0.086**	mg/Kg-dry	2	4/9/2008 4 44 00 AM	TDN
Anthracene	NELAP	0 009		**0.031**	mg/Kg-dry	2	4/9/2008 4 44 00 AM	TDN
Benzo(a)anthracene	NELAP	0 009		**0.086**	mg/Kg-dry	2	4/9/2008 4 44 00 AM	TDN
Benzo(a)pyrene	NELAP	0 009		**0.108**	mg/Kg-dry	2	4/9/2008 4 44 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 009		**0.157**	mg/Kg-dry	2	4/9/2008 4 44 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 009		**0.124**	mg/Kg-dry	2	4/9/2008 4 44 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 009		**0.051**	mg/Kg-dry	2	4/9/2008 4 44 00 AM	TDN
Chrysene	NELAP	0 009		**0 121**	mg/Kg-dry	2	4/9/2008 4 44 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 009		**0.028**	mg/Kg-dry	2	4/9/2008 4 44 00 AM	TDN
Fluoranthene	NELAP	0 009		**0.139**	mg/Kg-dry	2	4/9/2008 4 44 00 AM	TDN
Fluorene	NELAP	0 009		**0.009**	mg/Kg-dry	2	4/9/2008 4 44 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 009		**0.098**	mg/Kg-dry	2	4/9/2008 4 44 00 AM	TDN
Naphthalene	NELAP	0 009		**0.014**	mg/Kg-dry	2	4/9/2008 4 44 00 AM	TDN
Phenanthrene	NELAP	0 009		**0.088**	mg/Kg-dry	2	4/9/2008 4 44 00 AM	TDN
Pyrene	NELAP	0 009		**0.175**	mg/Kg-dry	2	4/9/2008 4 44 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**53.1**	%REC	2	4/9/2008 4 44 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**59.9**	%REC	2	4/9/2008 4 44 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**68.7**	%REC	2	4/9/2008 4 44 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 5		**ND**	µg/Kg-dry	1	4/9/2008 2 15 00 AM	JSA
Ethylbenzene	NELAP	7 3	J	**2.7**	µg/Kg-dry	1	4/9/2008 2 15 00 AM	JSA
Toluene	NELAP	7 3	J	**3.4**	µg/Kg-dry	1	4/9/2008 2 15 00 AM	JSA
Xylenes, Total	NELAP	7 3	J	**2.2**	µg/Kg-dry	1	4/9/2008 2 15 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**106.0**	%REC	1	4/9/2008 2 15 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117	S	**73.9**	%REC	1	4/9/2008 2 15 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**101.8**	%REC	1	4/9/2008 2 15 00 AM	JSA
Surr Toluene-d8		80 1-122		**90.8**	%REC	1	4/9/2008 2 15 00 AM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Elevated reporting limit due to high levels of target and/or non-target analytes

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Surrogate recovery was outside QC limits due to matrix interference

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-005
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-816 @ 9-10 ft
Collection Date: 4/1/2008 12:16:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**18.7**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**81.3**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0 013**	mg/Kg-dry	1	4/7/2008 4 25 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0 009**	mg/Kg-dry	1	4/7/2008 4 25 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 25 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 25 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 25 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 25 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 25 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 25 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 25 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 25 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 25 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 25 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 25 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 25 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 25 00 PM	TDN
Pyrene	NELAP	0 004		**0 005**	mg/Kg-dry	1	4/7/2008 4 25 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**52.7**	%REC	1	4/7/2008 4 25 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**58.9**	%REC	1	4/7/2008 4 25 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**68.1**	%REC	1	4/7/2008 4 25 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**1 5**	µg/Kg-dry	1	4/8/2008 3 13 00 PM	JSA
Ethylbenzene	NELAP	6 1		**ND**	µg/Kg-dry	1	4/8/2008 3 13 00 PM	JSA
Toluene	NELAP	6 1		**ND**	µg/Kg-dry	1	4/8/2008 3 13 00 PM	JSA
Xylenes, Total	NELAP	6 1		**ND**	µg/Kg-dry	1	4/8/2008 3 13 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**106.6**	%REC	1	4/8/2008 3 13 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**96.3**	%REC	1	4/8/2008 3 13 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**101.2**	%REC	1	4/8/2008 3 13 00 PM	JSA
Surr Toluene-d8		80 1-122		**100.8**	%REC	1	4/8/2008 3 13 00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-006
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-816 @ 19-21 ft
Collection Date: 4/1/2008 1.30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**11.2**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**88.8**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 5 00 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 5 00 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 5 00 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 5 00 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 5 00 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 5 00 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 5 00 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 5 00 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 5 00 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 5 00 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 5 00 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 5 00 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 5 00 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 5 00 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 5 00 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 5 00 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**48.5**	%REC	1	4/7/2008 5 00 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**55 3**	%REC	1	4/7/2008 5 00 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**68.1**	%REC	1	4/7/2008 5 00 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**0 9**	µg/Kg-dry	1	4/9/2008 2 46 00 AM	JSA
Ethylbenzene	NELAP	4 2		**ND**	µg/Kg-dry	1	4/9/2008 2 46 00 AM	JSA
Toluene	NELAP	4 2	J	**1.1**	µg/Kg-dry	1	4/9/2008 2 46 00 AM	JSA
Xylenes, Total	NELAP	4 2		**ND**	µg/Kg-dry	1	4/9/2008 2 46 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**82.0**	%REC	1	4/9/2008 2 46 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**104.0**	%REC	1	4/9/2008 2 46 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**80.3**	%REC	1	4/9/2008 2 46 00 AM	JSA
Surr Toluene-d8		80 1-122		**101.1**	%REC	1	4/9/2008 2 46 00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-007
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-818 @ 2-3 ft
Collection Date: 4/1/2008 1:45:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**20.2**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**79.8**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 422		**ND**	mg/Kg-dry	100	4/8/2008 4 52 00 AM	TDN
Acenaphthylene	NELAP	0 422		**6.48**	mg/Kg-dry	100	4/8/2008 4 52 00 AM	TDN
Anthracene	NELAP	0 422		**0.711**	mg/Kg-dry	100	4/8/2008 4 52 00 AM	TDN
Benzo(a)anthracene	NELAP	0 422		**4.13**	mg/Kg-dry	100	4/8/2008 4 52 00 AM	TDN
Benzo(a)pyrene	NELAP	0 422		**11.2**	mg/Kg-dry	100	4/8/2008 4 52 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 422		**9.29**	mg/Kg-dry	100	4/8/2008 4 52 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 422		**8.03**	mg/Kg-dry	100	4/8/2008 4 52 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 422		**2.70**	mg/Kg-dry	100	4/8/2008 4 52 00 AM	TDN
Chrysene	NELAP	0 422		**4.95**	mg/Kg-dry	100	4/8/2008 4 52 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 422		**1.83**	mg/Kg-dry	100	4/8/2008 4 52 00 AM	TDN
Fluoranthene	NELAP	0 422		**3.18**	mg/Kg-dry	100	4/8/2008 4 52 00 AM	TDN
Fluorene	NELAP	0 422	J	**0.39**	mg/Kg-dry	100	4/8/2008 4 52 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 422		**5.95**	mg/Kg-dry	100	4/8/2008 4 52 00 AM	TDN
Naphthalene	NELAP	0 422		**0.815**	mg/Kg-dry	100	4/8/2008 4 52 00 AM	TDN
Phenanthrene	NELAP	0 422		**0.881**	mg/Kg-dry	100	4/8/2008 4 52 00 AM	TDN
Pyrene	NELAP	0 422		**6.85**	mg/Kg-dry	100	4/8/2008 4 52 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**39.9**	%REC	100	4/8/2008 4 52 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**39.9**	%REC	100	4/8/2008 4 52 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**59.9**	%REC	100	4/8/2008 4 52 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 3		**18.3**	µg/Kg-dry	1	4/8/2008 7 14 00 PM	JSA
Ethylbenzene	NELAP	6 3		**ND**	µg/Kg-dry	1	4/8/2008 7 14 00 PM	JSA
Toluene	NELAP	6 3	J	**2.5**	µg/Kg-dry	1	4/8/2008 7 14 00 PM	JSA
Xylenes, Total	NELAP	6 3		**ND**	µg/Kg-dry	1	4/8/2008 7 14 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**104.1**	%REC	1	4/8/2008 7 14 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**98.5**	%REC	1	4/8/2008 7 14 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**96.8**	%REC	1	4/8/2008 7 14 00 PM	JSA
Surr Toluene-d8		80 1-122		**99.5**	%REC	1	4/8/2008 7 14 00 PM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-008
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-818 @ 7-9 ft
Collection Date: 4/1/2008 2:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19.8**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80.2**	%	1	4/4/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 40		**5.49**	mg/Kg-dry	1	4/7/2008 11 23 17 PM	LAL
Chromium	NELAP	0 96		**24.1**	mg/Kg-dry	1	4/7/2008 11 23 17 PM	LAL
Lead	NELAP	3 85		**20.2**	mg/Kg-dry	1	4/7/2008 11 23 17 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 021		**0.943**	mg/Kg-dry	5	4/8/2008 5 26 00 AM	TDN
Acenaphthylene	NELAP	0 021		**0.613**	mg/Kg-dry	5	4/8/2008 5 26 00 AM	TDN
Anthracene	NELAP	0 021		**1.14**	mg/Kg-dry	5	4/8/2008 5 26 00 AM	TDN
Benzo(a)anthracene	NELAP	0 021		**0.858**	mg/Kg-dry	5	4/8/2008 5 26 00 AM	TDN
Benzo(a)pyrene	NELAP	0 021		**0.921**	mg/Kg-dry	5	4/8/2008 5 26 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 021		**0.713**	mg/Kg-dry	5	4/8/2008 5 26 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 021		**0.338**	mg/Kg-dry	5	4/8/2008 5 26 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 021		**0.227**	mg/Kg-dry	5	4/8/2008 5 26 00 AM	TDN
Chrysene	NELAP	0 021		**0.820**	mg/Kg-dry	5	4/8/2008 5 26 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 021		**0.099**	mg/Kg-dry	5	4/8/2008 5 26 00 AM	TDN
Fluoranthene	NELAP	0 021		**1.82**	mg/Kg-dry	5	4/8/2008 5 26 00 AM	TDN
Fluorene	NELAP	0 021		**0.815**	mg/Kg-dry	5	4/8/2008 5 26 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 021		**0.293**	mg/Kg-dry	5	4/8/2008 5 26 00 AM	TDN
Naphthalene	NELAP	0 021		**0.082**	mg/Kg-dry	5	4/8/2008 5 26 00 AM	TDN
Phenanthrene	NELAP	0 021		**3.77**	mg/Kg-dry	5	4/8/2008 5 26 00 AM	TDN
Pyrene	NELAP	0 021		**2.64**	mg/Kg-dry	5	4/8/2008 5 26 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**64.9**	%REC	5	4/8/2008 5 26 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**52.9**	%REC	5	4/8/2008 5 26 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**76.8**	%REC	5	4/8/2008 5 26 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	40 1		**ND**	µg/Kg-dry	25	4/9/2008 10 22 00 AM	JSA
Ethylbenzene	NELAP	201		**7540**	µg/Kg-dry	25	4/9/2008 10 22 00 AM	JSA
Toluene	NELAP	201		**ND**	µg/Kg-dry	25	4/9/2008 10 22 00 AM	JSA
Xylenes, Total	NELAP	201		**3950**	µg/Kg-dry	25	4/9/2008 10 22 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**99.9**	%REC	25	4/9/2008 10 22 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**104.8**	%REC	25	4/9/2008 10 22 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**100.8**	%REC	25	4/9/2008 10 22 00 AM	JSA
Surr Toluene-d8		80 1-122		**109.1**	%REC	25	4/9/2008 10 22 00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 48		**2.12**	mg/Kg-dry	1	4/7/2008	AET

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-008
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-818 @ 7-9 ft
Collection Date: 4/1/2008 2:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 62		**Interference**	mg/Kg-dry	1	4/8/2008	AET

Sample Narrative
SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-009
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-818 @ 13-15 ft
Collection Date: 4/1/2008 2:38:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**14.5**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**85.5**	%	1	4/4/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**9.97**	mg/Kg-dry	1	4/7/2008 11 42 54 PM	LAL
Chromium	NELAP	1 00		**17.3**	mg/Kg-dry	1	4/7/2008 11 42 54 PM	LAL
Lead	NELAP	4 00		**16.2**	mg/Kg-dry	1	4/8/2008 2 27 20 PM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 040		**1.75**	mg/Kg-dry	10	4/8/2008 6 01 00 AM	TDN
Acenaphthylene	NELAP	0 040		**1 06**	mg/Kg-dry	10	4/8/2008 6 01 00 AM	TDN
Anthracene	NELAP	0 040		**1.48**	mg/Kg-dry	10	4/8/2008 6 01 00 AM	TDN
Benzo(a)anthracene	NELAP	0 040		**1.06**	mg/Kg-dry	10	4/8/2008 6 01 00 AM	TDN
Benzo(a)pyrene	NELAP	0 040		**1.42**	mg/Kg-dry	10	4/8/2008 6 01 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 040		**1.10**	mg/Kg-dry	10	4/8/2008 6 01 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 040		**0.739**	mg/Kg-dry	10	4/8/2008 6 01 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 040		**0.350**	mg/Kg-dry	10	4/8/2008 6 01 00 AM	TDN
Chrysene	NELAP	0 040		**1.12**	mg/Kg-dry	10	4/8/2008 6 01 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 040		**0.179**	mg/Kg-dry	10	4/8/2008 6 01 00 AM	TDN
Fluoranthene	NELAP	0 040		**2.27**	mg/Kg-dry	10	4/8/2008 6 01 00 AM	TDN
Fluorene	NELAP	0 040		**1.36**	mg/Kg-dry	10	4/8/2008 6 01 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 040		**0.564**	mg/Kg-dry	10	4/8/2008 6 01 00 AM	TDN
Naphthalene	NELAP	0 040		**8.10**	mg/Kg-dry	10	4/8/2008 6 01 00 AM	TDN
Phenanthrene	NELAP	0 040		**5.23**	mg/Kg-dry	10	4/8/2008 6 01 00 AM	TDN
Pyrene	NELAP	0 040		**3 34**	mg/Kg-dry	10	4/8/2008 6 01 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**61.9**	%REC	10	4/8/2008 6 01 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**47.9**	%REC	10	4/8/2008 6.01 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**67.9**	%REC	10	4/8/2008 6 01 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	14 6		**43.6**	µg/Kg-dry	12 5	4/8/2008 6 14 00 PM	JSA
Ethylbenzene	NELAP	73 1		**205**	µg/Kg-dry	12 5	4/8/2008 6 14 00 PM	JSA
Toluene	NELAP	73 1	J	**42**	µg/Kg-dry	12 5	4/8/2008 6.14 00 PM	JSA
Xylenes, Total	NELAP	73 1		**972**	µg/Kg-dry	12 5	4/8/2008 6 14 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128	S	**140.6**	%REC	12 5	4/8/2008 6 14 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**111.8**	%REC	12 5	4/8/2008 6 14 00 PM	JSA
Surr Dibromofluoromethane		66 6-130	S	**175.1**	%REC	12 5	4/8/2008 6 14 00 PM	JSA
Surr Toluene-d8		80 1-122		**107.7**	%REC	12 5	4/8/2008 6 14 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 48		**2.02**	mg/Kg-dry	1	4/7/2008	AET

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-009
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-818 @ 13-15 ft
Collection Date: 4/1/2008 2:38:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 58		**Interference**	mg/Kg-dry	1	4/8/2008	AET

Sample Narrative

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-010
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-818 @ 24-26 ft
Collection Date: 4/1/2008 3:18 00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**11.2**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**88.8**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0 038**	mg/Kg-dry	1	4/7/2008 5 35 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0.025**	mg/Kg-dry	1	4/7/2008 5 35 00 PM	TDN
Anthracene	NELAP	0 004		**0.037**	mg/Kg-dry	1	4/7/2008 5 35 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.030**	mg/Kg-dry	1	4/7/2008 5 35 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.031**	mg/Kg-dry	1	4/7/2008 5 35 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.024**	mg/Kg-dry	1	4/7/2008 5 35 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.017**	mg/Kg-dry	1	4/7/2008 5 35 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.008**	mg/Kg-dry	1	4/7/2008 5 35 00 PM	TDN
Chrysene	NELAP	0 004		**0.030**	mg/Kg-dry	1	4/7/2008 5 35 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	4/7/2008 5 35 00 PM	TDN
Fluoranthene	NELAP	0 004		**0 063**	mg/Kg-dry	1	4/7/2008 5 35 00 PM	TDN
Fluorene	NELAP	0 004		**0 033**	mg/Kg-dry	1	4/7/2008 5 35 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.012**	mg/Kg-dry	1	4/7/2008 5 35 00 PM	TDN
Naphthalene	NELAP	0 004		**0.217**	mg/Kg-dry	1	4/7/2008 5 35 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.144**	mg/Kg-dry	1	4/7/2008 5 35 00 PM	TDN
Pyrene	NELAP	0 004		**0.094**	mg/Kg-dry	1	4/7/2008 5 35 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**19.2**	%REC	1	4/7/2008 5 35 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**28.9**	%REC	1	4/7/2008 5 35 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**67 3**	%REC	1	4/7/2008 5 35 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	56 3		**7050**	µg/Kg-dry	50	4/8/2008 5 44 00 PM	JSA
Ethylbenzene	NELAP	282	J	**58**	µg/Kg-dry	50	4/8/2008 5 44 00 PM	JSA
Toluene	NELAP	282		**584**	µg/Kg-dry	50	4/8/2008 5 44 00 PM	JSA
Xylenes, Total	NELAP	282	J	**140**	µg/Kg-dry	50	4/8/2008 5 44 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**91.0**	%REC	50	4/8/2008 5 44 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**102 1**	%REC	50	4/8/2008 5 44 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**95.7**	%REC	50	4/8/2008 5 44 00 PM	JSA
Surr Toluene-d8		80 1-122		**102.8**	%REC	50	4/8/2008 5 44 00 PM	JSA

Sample Narrative

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes

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TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-011
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-822 @ 6-8 ft
Collection Date: 4/1/2008 4:11:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**21.4**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**78 6**	%	1	4/4/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 40		**9 97**	mg/Kg-dry	1	4/7/2008 11 49 42 PM	LAL
Chromium	NELAP	0 96		**26 4**	mg/Kg-dry	1	4/7/2008 11 49 42 PM	LAL
Lead	NELAP	3 85		**15 9**	mg/Kg-dry	1	4/8/2008 2 29 37 PM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 09 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0.037**	mg/Kg-dry	1	4/7/2008 6 09 00 PM	TDN
Anthracene	NELAP	0 004		**0.007**	mg/Kg-dry	1	4/7/2008 6 09 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.012**	mg/Kg-dry	1	4/7/2008 6 09 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.014**	mg/Kg-dry	1	4/7/2008 6 09 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.015**	mg/Kg-dry	1	4/7/2008 6 09 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.016**	mg/Kg-dry	1	4/7/2008 6 09 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.006**	mg/Kg-dry	1	4/7/2008 6 09 00 PM	TDN
Chrysene	NELAP	0 004		**0.008**	mg/Kg-dry	1	4/7/2008 6 09 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 6 09 00 PM	TDN
Fluoranthene	NELAP	0 004		**0 010**	mg/Kg-dry	1	4/7/2008 6 09 00 PM	TDN
Fluorene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	4/7/2008 6 09 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0 013**	mg/Kg-dry	1	4/7/2008 6 09 00 PM	TDN
Naphthalene	NELAP	0 004		**0.010**	mg/Kg-dry	1	4/7/2008 6 09 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.013**	mg/Kg-dry	1	4/7/2008 6 09 00 PM	TDN
Pyrene	NELAP	0 004		**0.029**	mg/Kg-dry	1	4/7/2008 6 09 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**36 9**	%REC	1	4/7/2008 6 09 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**46.9**	%REC	1	4/7/2008 6 09 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**69.7**	%REC	1	4/7/2008 6 09 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	15 9		**ND**	µg/Kg-dry	12 5	4/8/2008 6 43 00 PM	JSA
Ethylbenzene	NELAP	79 5		**ND**	µg/Kg-dry	12 5	4/8/2008 6 43 00 PM	JSA
Toluene	NELAP	79 5		**ND**	µg/Kg-dry	12 5	4/8/2008 6 43 00 PM	JSA
Xylenes, Total	NELAP	79 5	J	**25**	µg/Kg-dry	12 5	4/8/2008 6 43 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128	S	**142.0**	%REC	12 5	4/8/2008 6 43 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**106.7**	%REC	12 5	4/8/2008 6 43 00 PM	JSA
Surr Dibromofluoromethane		66 6-130	S	**168 7**	%REC	12 5	4/8/2008 6 43 00 PM	JSA
Surr Toluene-d8		80 1-122	S	**124.6**	%REC	12 5	4/8/2008 6 43 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	6 12	S	**33.1**	mg/Kg-dry	10	4/8/2008	AET

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-011
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-822 @ 6-8 ft
Collection Date: 4/1/2008 4:11:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		6 23		**Interference**	mg/Kg-dry	10	4/8/2008	AET

Sample Narrative

SW-846 9010B, 9014

Matrix spikes did not recover within control limits because of matrix interference

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference

Elevated reporting limit due to high levels of target and/or non-target analytes

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-012
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-822 @ 1-3 ft
Collection Date: 4/1/2008 3:35:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**20.5**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**79.5**	%	1	4/4/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 36		**3 45**	mg/Kg-dry	1	4/7/2008 11 56 30 PM	LAL
Chromium	NELAP	0 94		**24.9**	mg/Kg-dry	1	4/7/2008 11 56 30 PM	LAL
Lead	NELAP	3 77		**17.3**	mg/Kg-dry	1	4/8/2008 2 31 53 PM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 07 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0.188**	mg/Kg-dry	1	4/8/2008 9 07 00 PM	TDN
Anthracene	NELAP	0 004		**0.011**	mg/Kg-dry	1	4/8/2008 9 07 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.016**	mg/Kg-dry	1	4/8/2008 9 07 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0 026**	mg/Kg-dry	1	4/8/2008 9 07 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0 052**	mg/Kg-dry	1	4/8/2008 9 07 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0 051**	mg/Kg-dry	1	4/8/2008 9 07 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.015**	mg/Kg-dry	1	4/8/2008 9 07 00 PM	TDN
Chrysene	NELAP	0 004		**0.016**	mg/Kg-dry	1	4/8/2008 9 07 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0.014**	mg/Kg-dry	1	4/8/2008 9 07 00 PM	TDN
Fluoranthene	NELAP	0 004		**0 017**	mg/Kg-dry	1	4/8/2008 9 07 00 PM	TDN
Fluorene	NELAP	0 004		**0.007**	mg/Kg-dry	1	4/8/2008 9 07 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.043**	mg/Kg-dry	1	4/8/2008 9 07 00 PM	TDN
Naphthalene	NELAP	0 004		**0.010**	mg/Kg-dry	1	4/8/2008 9 07 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.011**	mg/Kg-dry	1	4/8/2008 9 07 00 PM	TDN
Pyrene	NELAP	0 004		**0.027**	mg/Kg-dry	1	4/8/2008 9 07 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**69.5**	%REC	1	4/8/2008 9 07 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**69.9**	%REC	1	4/8/2008 9 07 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**71.3**	%REC	1	4/8/2008 9 07 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**ND**	µg/Kg-dry	1	4/9/2008 3 16 00 AM	JSA
Ethylbenzene	NELAP	5 8		**ND**	µg/Kg-dry	1	4/9/2008 3 16 00 AM	JSA
Toluene	NELAP	5 8		**ND**	µg/Kg-dry	1	4/9/2008 3 16 00 AM	JSA
Xylenes, Total	NELAP	5 8		**ND**	µg/Kg-dry	1	4/9/2008 3 16 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**102.8**	%REC	1	4/9/2008 3 16 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**94.3**	%REC	1	4/9/2008 3 16 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**98.9**	%REC	1	4/9/2008 3 16 00 AM	JSA
Surr Toluene-d8		80 1-122		**97.9**	%REC	1	4/9/2008 3 16 00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	4 93		**52.4**	mg/Kg-dry	10	4/7/2008	AET

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040186
Lab ID: 08040186-012
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-822 @ 1-3 ft
Collection Date: 4/1/2008 3:35.00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		6 24		**< 6.24**	mg/Kg-dry	10	4/8/2008	AET

Sample Narrative

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186
Report Date: 10-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040186-001A	B-814 @ 0-2 ft	4/1/2008	Solid	ASTM D2974		4/4/2008
				ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3050B, 6010B, Metals by ICP	4/7/2008	4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/5/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
				SW-846 9010B, 9014	4/4/2008	4/7/2008
				SW-846 9014A	4/4/2008	4/8/2008
08040186-001D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
08040186-002A	B-814 @ 7-8 ft			ASTM D2974		4/4/2008
				ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3050B, 6010B, Metals by ICP	4/7/2008	4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
				SW-846 9010B, 9014	4/4/2008	4/7/2008
				SW-846 9014A	4/4/2008	4/8/2008
08040186-002D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
08040186-003A	B-814 @ 17-18 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/5/2008

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186
Report Date: 10-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040186-003A	B-814 @ 17-18 ft	4/1/2008	Solid	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040186-003D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
08040186-004A	B-816 @ 1-2 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/5/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/9/2008
08040186-004D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/9/2008
08040186-005A	B-816 @ 9-10 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040186-005D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
08040186-006A	B-816 @ 19-21 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040186-006D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/9/2008
08040186-007A	B-818 @ 2-3 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/5/2008

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186
Report Date: 10-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040186-007A	B-818 @ 2-3 ft	4/1/2008	Solid	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040186-007D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
08040186-008A	B-818 @ 7-9 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3050B, 6010B, Metals by ICP	4/7/2008	4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/5/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
				SW-846 9010B, 9014	4/4/2008	4/7/2008
				SW-846 9014A	4/4/2008	4/8/2008
08040186-008D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/9/2008
08040186-009A	B-818 @ 13-15 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3050B, 6010B, Metals by ICP	4/7/2008	4/7/2008
				SW-846 3050B, 6010B, Metals by ICP	4/7/2008	4/8/2008
				SW-846 3050B, 6010B, Metals by ICP	4/7/2008	4/8/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/5/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
				SW-846 9010B, 9014	4/4/2008	4/7/2008
				SW-846 9014A	4/4/2008	4/8/2008
08040186-009D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
08040186-010A	B-818 @ 24-26 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008

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DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040186-010A	B-818 @ 24-26 ft	4/1/2008	Solid	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040186-010D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
08040186-011A	B-822 @ 6-8 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3050B, 6010B, Metals by ICP	4/7/2008	4/7/2008
				SW-846 3050B, 6010B, Metals by ICP	4/7/2008	4/8/2008
				SW-846 3050B, 6010B, Metals by ICP	4/7/2008	4/8/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/5/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
				SW-846 9010B, 9014	4/4/2008	4/7/2008
				SW-846 9010B, 9014		4/8/2008
				SW-846 9014A	4/4/2008	4/8/2008
08040186-011D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
08040186-012A	B-822 @ 1-3 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3050B, 6010B, Metals by ICP	4/7/2008	4/7/2008
				SW-846 3050B, 6010B, Metals by ICP	4/7/2008	4/8/2008
				SW-846 3050B, 6010B, Metals by ICP	4/7/2008	4/8/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/6/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008

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Lab Order: 08040186
Report Date: 10-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040186-012A	B-822 @ 1-3 ft	4/1/2008	Solid	SW-846 9010B, 9014		4/7/2008
				SW-846 9014A		4/8/2008
08040186-012D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/9/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL *The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit* may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_ACN_S_MT

Sample ID	MB-43868	SampType	MBLK			Units	mg/Kg	Prep Date	4/4/2008		RunNo	106511	
Client ID	ZZZZZZ	Batch ID	43868				SOP2092	Analysis Date	4/8/2008		SeqNo	1902016	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide, Amenable to Chlorination		< 0 50	0 50										

Sample ID	LCS-43868	SampType	LCS			Units	mg/Kg	Prep Date	4/4/2008		RunNo	106511	
Client ID	ZZZZZZ	Batch ID	43868				SOP2092	Analysis Date	4/8/2008		SeqNo	1902017	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide, Amenable to Chlorination		9 86	0 50	10 00	0	98 6	85	115					

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_OM_D_M

Sample ID	**08040186-001ADUP**	SampType	**DUP**	Units	**wt%**	Prep Date		RunNo	**106489**
Client ID	**B-814 @ 0-2 ftDUP**	Batch ID	**R106489**			Analysis Date	**4/4/2008**	SeqNo	**1901305**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
FOC (0 58 conversion factor)	5 35	0 10						4 548	16 2	25	
Organic Matter	9 23	0 10						7 841	16 2	25	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TCN_S_MT

Sample ID	MB-43867	SampType	MBLK			Units	mg/Kg	Prep Date	4/4/2008		RunNo	106471	
Client ID	ZZZZZZ	Batch ID	43867				SW9010	Analysis Date	4/7/2008		SeqNo	1900925	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide			< 0 01	0 01									

Sample ID	LCS-43867	SampType	LCS			Units	mg/Kg	Prep Date	4/4/2008		RunNo	106471	
Client ID	ZZZZZZ	Batch ID	43867				SW9010	Analysis Date	4/7/2008		SeqNo	1900926	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide			0 20	0 01	0 2000	0	98 9	85	115				

Sample ID	LCSD-43867	SampType	LCSD			Units	mg/Kg	Prep Date	4/4/2008		RunNo	106471	
Client ID	ZZZZZZ	Batch ID	43867				SW9010	Analysis Date	4/7/2008		SeqNo	1900927	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide			0 19	0 01	0 2000	0	97 3	85	115	0 1979	1 72	15	

Sample ID	08040186-011AMS	SampType	MS			Units	mg/Kg-dry	Prep Date			RunNo	106589	
Client ID	B-822 @ 6-8 ftMS	Batch ID	R106589					Analysis Date	4/8/2008		SeqNo	1903736	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide			35 4	6 33	6 332	33 07	37 0	80	120				S

Sample ID	08040186-011AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date			RunNo	106589	
Client ID	B-822 @ 6-8 ftMSD	Batch ID	R106589					Analysis Date	4/8/2008		SeqNo	1903739	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide			32 5	5 91	5 908	33 07	-9 8	80	120	35 41	8 61	20	S

Sample ID	MB-R106589	SampType	MBLK			Units	mg/Kg	Prep Date			RunNo	106589	
Client ID	ZZZZZZ	Batch ID	R106589					Analysis Date	4/8/2008		SeqNo	1904434	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TCN_S_MT

Sample ID	MB-R106589	SampType	MBLK			Units	mg/Kg	Prep Date		RunNo	106589	
Client ID	ZZZZZZ	Batch ID	R106589					Analysis Date	4/8/2008	SeqNo	1904434	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		< 0 01	0 01									

Sample ID	LCS-R106589	SampType	LCS			Units	mg/Kg	Prep Date		RunNo	106589	
Client ID	ZZZZZZ	Batch ID	R106589					Analysis Date	4/8/2008	SeqNo	1904435	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		0 20	0 01	0 2000	0	101 4	85	115				

Sample ID	LCSD-R106589	SampType	LCSD			Units	mg/Kg	Prep Date		RunNo	106589	
Client ID	ZZZZZZ	Batch ID	R106589					Analysis Date	4/8/2008	SeqNo	1904436	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		0 20	0 01	0 2000	0	98 5	85	115	0 2027	2 91	15	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TS_M_MT

Sample ID	LCS-R106413	SampType	LCS			Units	%		Prep Date			RunNo	106413	
Client ID	ZZZZZZ	Batch ID	R106413						Analysis Date	4/4/2008		SeqNo	1899672	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Total Solids		1 0	0 1	1 000	0	100	90	110						

Sample ID	LCSQC	SampType	LCSQC			Units	%		Prep Date			RunNo	106413	
Client ID	ZZZZZZ	Batch ID	R106413						Analysis Date	4/4/2008		SeqNo	1899673	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Total Solids		1 0	0 1	1 000	0	100	90	110						

Sample ID	08040186-001ADUP	SampType	DUP			Units	%		Prep Date			RunNo	106413	
Client ID	B-814 @ 0-2 ftDUP	Batch ID	R106413						Analysis Date	4/4/2008		SeqNo	1899719	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Total Solids		47 2	0 1						53 62	12 7	15			

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_SOLIDS_ICP

Sample ID	MB-43859	SampType	MBLK			Units	mg/Kg-dry	Prep Date	4/7/2008		RunNo	106443	
Client ID	ZZZZZZ	Batch ID	43859				SOP 3032	Analysis Date	4/7/2008		SeqNo	1901041	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		< 2 50	2 50	2 500	0	0	-100	100					
Chromium		< 1 00	1 00	1 000	0	0	-100	100					
Lead		< 4 00	4 00	4 000	0	0	-100	100					

Sample ID	LCS-43859	SampType	LCS			Units	mg/Kg-dry	Prep Date	4/7/2008		RunNo	106443	
Client ID	ZZZZZZ	Batch ID	43859				SOP 3032	Analysis Date	4/7/2008		SeqNo	1901042	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		210	2 50	200 0	0	105 1	85	115					
Chromium		21 2	1 00	20 00	0	105 8	85	115					
Lead		52 1	4 00	50 00	0	104 2	85	115					

Sample ID	08040186-002AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	4/7/2008		RunNo	106443	
Client ID	B-814 @ 7-8 ftMS	Batch ID	43859				SOP 3032	Analysis Date	4/7/2008		SeqNo	1901385	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		196	2 45	196 1	10 14	94 7	75	125					
Chromium		36 5	0 98	19 61	14 23	113 5	75	125					
Lead		55 6	3 92	49 02	10 12	92 8	75	125					

Sample ID	08040186-002AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date	4/7/2008		RunNo	106443	
Client ID	B-814 @ 7-8 ftMSD	Batch ID	43859				SOP 3032	Analysis Date	4/7/2008		SeqNo	1901386	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		195	2 45	196 1	10 14	94 1	75	125	195 8	0 603	20		
Chromium		34 9	0 98	19 61	14 23	105 5	75	125	36 48	4 39	20		
Lead		54 6	3 92	49 02	10 12	90 8	75	125	55 61	1 76	20		

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_SOLIDS_ICP

Sample ID	MB-43859	SampType	MBLK			Units	mg/Kg-dry	Prep Date	4/7/2008		RunNo	106505	
Client ID	ZZZZZZ	Batch ID	43859				SOP 3032	Analysis Date	4/8/2008		SeqNo	1902519	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead		< 4 00	4 00	4 000	0	0	-100	100					

Sample ID	LCS-43859	SampType	LCS			Units	mg/Kg-dry	Prep Date	4/7/2008		RunNo	106505	
Client ID	ZZZZZZ	Batch ID	43859				SOP 3032	Analysis Date	4/8/2008		SeqNo	1902520	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead		46 1	4 00	50 00	0	92 1	85	115					

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID **MB-43852**	SampType **MBLK**			Units **mg/Kg**		Prep Date **4/4/2008**		RunNo **106416**		
Client ID **ZZZZZZ**	Batch ID **43852**			**SW3550B**		Analysis Date **4/4/2008**		SeqNo **1899784**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 003									
Acenaphthylene	ND	0 003									
Anthracene	ND	0 003									
Benzo(a)anthracene	ND	0 003									
Benzo(a)pyrene	ND	0 003									
Benzo(b)fluoranthene	ND	0 003									
Benzo(g,h,i)perylene	ND	0 003									
Benzo(k)fluoranthene	ND	0 003									
Chrysene	ND	0 003									
Dibenzo(a,h)anthracene	ND	0 003									
Fluoranthene	ND	0 003									
Fluorene	ND	0 003									
Indeno(1,2,3-cd)pyrene	ND	0 003									
Naphthalene	ND	0 003									
Phenanthrene	ND	0 003									
Pyrene	ND	0 003									
Surr 2-Fluorobiphenyl	0 119		0 1670		71 5	17 5	123				
Surr Nitrobenzene-d5	0 111		0 1670		66 7	35	105				
Surr p-Terphenyl-d14	0 131		0 1670		78 2	53 6	122				

Sample ID **MB-43877**	SampType **MBLK**			Units **mg/Kg**		Prep Date **4/7/2008**		RunNo **106478**		
Client ID **ZZZZZZ**	Batch ID **43877**			**SW3550B**		Analysis Date **4/7/2008**		SeqNo **1900968**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 003									
Acenaphthylene	ND	0 003									
Anthracene	ND	0 003									
Benzo(a)anthracene	ND	0 003									
Benzo(a)pyrene	ND	0 003									
Benzo(b)fluoranthene	ND	0 003									
Benzo(g,h,i)perylene	ND	0 003									

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
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ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID **MB-43877**	SampType **MBLK**			Units **mg/Kg**		Prep Date **4/7/2008**		RunNo **106478**		
Client ID **ZZZZZZ**	Batch ID **43877**			**SW3550B**		Analysis Date **4/7/2008**		SeqNo **1900968**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	ND	0 003									
Chrysene	ND	0 003									
Dibenzo(a,h)anthracene	ND	0 003									
Fluoranthene	ND	0 003									
Fluorene	ND	0 003									
Indeno(1,2,3-cd)pyrene	ND	0 003									
Naphthalene	ND	0 003									
Phenanthrene	ND	0 003									
Pyrene	ND	0 003									
Surr 2-Fluorobiphenyl	0 119		0 1670		71 5	17 5	123				
Surr Nitrobenzene-d5	0 109		0 1670		65 3	35	105				
Surr p-Terphenyl-d14	0 127		0 1670		76 0	53 6	122				

Sample ID **LCS-43877**	SampType **LCS**			Units **mg/Kg**		Prep Date **4/7/2008**		RunNo **106478**		
Client ID **ZZZZZZ**	Batch ID **43877**			**SW3550B**		Analysis Date **4/7/2008**		SeqNo **1900969**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 104	0 003	0 1670	0	62 5	56 3	115				
Acenaphthylene	0 122	0 003	0 1670	0	73 3	60 3	143				
Anthracene	0 103	0 003	0 1670	0	61 5	52 1	109				
Benzo(a)anthracene	0 101	0 003	0 1670	0	60 3	52 8	112				
Benzo(a)pyrene	0 107	0 003	0 1670	0	63 8	40 8	127				
Benzo(b)fluoranthene	0 125	0 003	0 1670	0	74 6	50 1	150				
Benzo(g,h,i)perylene	0 123	0 003	0 1670	0	73 6	52 8	145				
Benzo(k)fluoranthene	0 124	0 003	0 1670	0	74 5	52	153				
Chrysene	0 112	0 003	0 1670	0	66 9	60 8	128				
Dibenzo(a,h)anthracene	0 120	0 003	0 1670	0	71 8	54 9	150				
Fluoranthene	0 109	0 003	0 1670	0	65 3	58 7	125				
Fluorene	0 108	0 003	0 1670	0	64 9	57 8	125				
Indeno(1,2,3-cd)pyrene	0 119	0 003	0 1670	0	71 4	52	147				
Naphthalene	0 092	0 003	0 1670	0	55 1	54 8	113				

Client. . nilip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID **LCS-43877**	SampType **LCS**			Units **mg/Kg**		Prep Date **4/7/2008**		RunNo **106478**			
Client ID **ZZZZZZ**	Batch ID **43877**			**SW3550B**		Analysis Date **4/7/2008**		SeqNo **1900969**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	0 110	0 003	0 1670	0	65 6	60 4	121				
Pyrene	0 111	0 003	0 1670	0	66 4	57 9	129				
Surr 2-Fluorobiphenyl	0 115		0 1670		68 7	35 3	113				
Surr Nitrobenzene-d5	0 099		0 1670		59 5	33 9	108				
Surr p-Terphenyl-d14	0 118		0 1670		70 5	58 4	122				

Sample ID **MB-43881**	SampType **MBLK**			Units **mg/Kg**		Prep Date **4/7/2008**		RunNo **106478**			
Client ID **ZZZZZZ**	Batch ID **43881**			**SW3550B**		Analysis Date **4/7/2008**		SeqNo **1901585**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 003									
Acenaphthylene	ND	0 003									
Anthracene	ND	0 003									
Benzo(a)anthracene	ND	0 003									
Benzo(a)pyrene	ND	0 003									
Benzo(b)fluoranthene	ND	0 003									
Benzo(g,h,i)perylene	ND	0 003									
Benzo(k)fluoranthene	ND	0 003									
Chrysene	ND	0 003									
Dibenzo(a,h)anthracene	ND	0 003									
Fluoranthene	ND	0 003									
Fluorene	ND	0 003									
Indeno(1,2,3-cd)pyrene	ND	0 003									
Naphthalene	ND	0 003									
Phenanthrene	ND	0 003									
Pyrene	ND	0 003									
Surr 2-Fluorobiphenyl	0 123		0 1670		73 9	17 5	123				
Surr Nitrobenzene-d5	0 114		0 1670		68 1	35	105				
Surr p-Terphenyl-d14	0 124		0 1670		74 5	53 6	122				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID	LCS-43881	SampType	LCS	Units	mg/Kg	Prep Date	4/7/2008	RunNo	106478
Client ID	ZZZZZZ	Batch ID	43881		SW3550B	Analysis Date	4/7/2008	SeqNo	1901586

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 110	0 003	0 1670	0	66 1	56 3	115				
Acenaphthylene	0 134	0 003	0 1670	0	80 5	60 3	143				
Anthracene	0 106	0 003	0 1670	0	63 2	52 1	109				
Benzo(a)anthracene	0 109	0 003	0 1670	0	65 0	52 8	112				
Benzo(a)pyrene	0 111	0 003	0 1670	0	66 6	40 8	127				
Benzo(b)fluoranthene	0 126	0 003	0 1670	0	75 3	50 1	150				
Benzo(g,h,i)perylene	0 123	0 003	0 1670	0	73 6	52 8	145				
Benzo(k)fluoranthene	0 128	0 003	0 1670	0	76 9	52	153				
Chrysene	0 120	0 003	0 1670	0	71 6	60 8	128				
Dibenzo(a,h)anthracene	0 122	0 003	0 1670	0	73 1	54 9	150				
Fluoranthene	0 114	0 003	0 1670	0	68 4	58 7	125				
Fluorene	0 116	0 003	0 1670	0	69 6	57 8	125				
Indeno(1,2,3-cd)pyrene	0 120	0 003	0 1670	0	71 9	52	147				
Naphthalene	0 091	0 003	0 1670	0	54 7	54 8	113				S
Phenanthrene	0 115	0 003	0 1670	0	68 8	60 4	121				
Pyrene	0 117	0 003	0 1670	0	70 2	57 9	129				
Surr 2-Fluorobiphenyl	0 115		0 1670		69 1	35 3	113				
Surr Nitrobenzene-d5	0 106		0 1670		63 7	33 9	108				
Surr p-Terphenyl-d14	0 118		0 1670		70 7	58 4	122				

Sample ID	08040186-012AMS	SampType	MS	Units	mg/Kg-dry	Prep Date	4/7/2008	RunNo	106554
Client ID	B-822 @ 1-3 ftMS	Batch ID	43881		SW3550B	Analysis Date	4/8/2008	SeqNo	1902986

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 144	0 004	0 2080	0	69 1	36	135				
Acenaphthylene	0 362	0 004	0 2080	0 1880	83 5	17 2	167				
Anthracene	0 156	0 004	0 2080	0 01065	70 1	39 3	124				
Benzo(a)anthracene	0 164	0 004	0 2080	0 01552	71 6	10	183				
Benzo(a)pyrene	0 184	0 004	0 2080	0 02646	75 8	10	204				
Benzo(b)fluoranthene	0 224	0 004	0 2080	0 05175	82 7	10 6	178				
Benzo(g,h,i)perylene	0 193	0 004	0 2080	0 05100	68 2	10	168				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID	08040186-012AMS	SampType	MS	Units	mg/Kg-dry	Prep Date	4/7/2008	RunNo	106554
Client ID	B-822 @ 1-3 ftMS	Batch ID	43881		SW3550B	Analysis Date	4/8/2008	SeqNo	1902986

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0 185	0 004	0 2080	0 01518	81 6	27 6	181				
Chrysene	0 188	0 004	0 2080	0 01639	82 7	10	176				
Dibenzo(a,h)anthracene	0 163	0 004	0 2080	0 01414	71 7	12 2	156				
Fluoranthene	0 183	0 004	0 2080	0 01730	79 6	10	227				
Fluorene	0 151	0 004	0 2080	0 007488	69 1	35 2	148				
Indeno(1,2,3-cd)pyrene	0 198	0 004	0 2080	0 04276	74 5	10	164				
Naphthalene	0 132	0 004	0 2080	0 009609	58 7	14 7	128				
Phenanthrene	0 159	0 004	0 2080	0 01131	71 2	32 8	143				
Pyrene	0 195	0 004	0 2080	0 02658	81 2	10	180				
Surr 2-Fluorobiphenyl	0 163		0 2080		78 2	10	131				
Surr Nitrobenzene-d5	0 153		0 2080		73 5	10	132				
Surr p-Terphenyl-d14	0 176		0 2080		84 6	30 6	131				

Sample ID	08040186-012AMSD	SampType	MSD	Units	mg/Kg-dry	Prep Date	4/7/2008	RunNo	106554
Client ID	B-822 @ 1-3 ftMSD	Batch ID	43881		SW3550B	Analysis Date	4/8/2008	SeqNo	1902987

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 143	0 004	0 2099	0	67 9	36	135	0 1437	0 766	49 7	
Acenaphthylene	0 297	0 004	0 2099	0 1880	51 9	17 2	167	0 3617	19 7	33 3	
Anthracene	0 145	0 004	0 2099	0 01065	63 9	39 3	124	0 1565	7 83	51 1	
Benzo(a)anthracene	0 150	0 004	0 2099	0 01552	63 9	10	183	0 1644	9 36	40 6	
Benzo(a)pyrene	0 164	0 004	0 2099	0 02646	65 7	10	204	0 1842	11 4	56 4	
Benzo(b)fluoranthene	0 192	0 004	0 2099	0 05175	67 0	10 6	178	0 2237	15 1	49 7	
Benzo(g,h,i)perylene	0 166	0 004	0 2099	0 05100	55 0	10	168	0 1929	14 8	36 5	
Benzo(k)fluoranthene	0 174	0 004	0 2099	0 01518	75 8	27 6	181	0 1850	6 03	42 6	
Chrysene	0 170	0 004	0 2099	0 01639	73 1	10	176	0 1883	10 4	45 1	
Dibenzo(a,h)anthracene	0 156	0 004	0 2099	0 01414	67 4	12 2	156	0 1632	4 84	39 9	
Fluoranthene	0 162	0 004	0 2099	0 01730	68 9	10	227	0 1829	12 2	66 2	
Fluorene	0 148	0 004	0 2099	0 007488	66 9	35 2	148	0 1512	2 20	65 6	
Indeno(1,2,3-cd)pyrene	0 174	0 004	0 2099	0 04276	62 4	10	164	0 1977	13 0	36 5	
Naphthalene	0 119	0 004	0 2099	0 009609	52 2	14 7	128	0 1318	9 97	39 6	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID	**08040186-012AMSD**	SampType	**MSD**			Units	**mg/Kg-dry**	Prep Date	**4/7/2008**		RunNo	**106554**	
Client ID	**B-822 @ 1-3 ftMSD**	Batch ID	**43881**				**SW3550B**	Analysis Date	**4/8/2008**		SeqNo	**1902987**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Phenanthrene		0 158	0 004	0 2099	0 01131	69 8	32 8	143	0 1594	1 08	35 4		
Pyrene		0 168	0 004	0 2099	0 02658	67 2	10	180	0 1955	15 3	60 1		
Surr	2-Fluorobiphenyl	0 153		0 2099		73 1	10	131		0	40		
Surr	Nitrobenzene-d5	0 150		0 2099		71 7	10	132		0	40		
Surr	p-Terphenyl-d14	0 164		0 2099		78 2	30 6	131		0	40		

Client. Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID	LCS-G080408-1	SampType	LCS			Units	µg/Kg		Prep Date	4/8/2008		RunNo	106524	
Client ID	ZZZZZZ	Batch ID	43917				SW5035		Analysis Date	4/8/2008		SeqNo	1902238	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene		50 2	1 0	50 00	0	100 3	75	123						
Toluene		50 4	5 0	50 00	0	100 7	77 3	117						
Ethylbenzene		51 8	5 0	50 00	0	103 6	80 8	118						
Xylenes, Total		104	5 0	100 0	0	104 4	78 5	121						
Surr 1,2-Dichloroethane-d4		50 1		50 00		100 1	61	128						
Surr 4-Bromofluorobenzene		48 7		50 00		97 4	78 2	117						
Surr Dibromofluoromethane		51 7		50 00		103 4	66 6	130						
Surr Toluene-d8		49 7		50 00		99 4	80 1	122						

Sample ID	LCSD-G080408-1	SampType	LCSD			Units	µg/Kg		Prep Date	4/8/2008		RunNo	106524	
Client ID	ZZZZZZ	Batch ID	43917				SW5035		Analysis Date	4/8/2008		SeqNo	1902239	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene		50 2	1 0	50 00	0	100 3	75	123	50 15	0	20			
Toluene		50 2	5 0	50 00	0	100 3	77 3	117	50 35	0 358	20			
Ethylbenzene		52 0	5 0	50 00	0	104 1	80 8	118	51 78	0 482	20			
Xylenes, Total		103	5 0	100 0	0	103 4	78 5	121	104 4	0 963	20			
Surr 1,2-Dichloroethane-d4		51 1		50 00		102 2	61	128		0	0			
Surr 4-Bromofluorobenzene		49 1		50 00		98 2	78 2	117		0	0			
Surr Dibromofluoromethane		50 9		50 00		101 9	66 6	130		0	0			
Surr Toluene-d8		49 8		50 00		99 6	80 1	122		0	0			

Sample ID	MBLK-G080408-1	SampType	MBLK			Units	µg/Kg		Prep Date	4/8/2008		RunNo	106524	
Client ID	ZZZZZZ	Batch ID	43917				SW5035		Analysis Date	4/8/2008		SeqNo	1902241	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene		ND	1 0											
Toluene		ND	5 0											
Ethylbenzene		ND	5 0											
Xylenes, Total		ND	5 0											

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID **MBLK-G080408-1**	SampType **MBLK**	Units **µg/Kg**	Prep Date **4/8/2008**	RunNo **106524**
Client ID **ZZZZZZ**	Batch ID **43917**	**SW5035**	Analysis Date **4/8/2008**	SeqNo **1902241**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr 1,2-Dichloroethane-d4	48 5		50 00		97 1	61	128				
Surr 4-Bromofluorobenzene	47 9		50 00		95 8	78 2	117				
Surr Dibromofluoromethane	50 4		50 00		100 9	66 6	130				
Surr Toluene-d8	49 2		50 00		98 3	80 1	122				

Sample ID **LCS-G080408-2**	SampType **LCS**	Units **µg/Kg**	Prep Date **4/8/2008**	RunNo **106557**
Client ID **ZZZZZZ**	Batch ID **43936**	**SW5035**	Analysis Date **4/9/2008**	SeqNo **1903051**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47 2	1 0	50 00	0	94 5	75	123				
Toluene	46 8	5 0	50 00	0	93 5	77 3	117				
Ethylbenzene	48 2	5 0	50 00	0	96 4	80 8	118				
Xylenes, Total	95 6	5 0	100 0	0	95 6	78 5	121				
Surr 1,2-Dichloroethane-d4	48 7		50 00		97 3	61	128				
Surr 4-Bromofluorobenzene	49 7		50 00		99 4	78 2	117				
Surr Dibromofluoromethane	49 5		50 00		98 9	66 6	130				
Surr Toluene-d8	48 8		50 00		97 7	80 1	122				

Sample ID **LCSD-G080408-2**	SampType **LCSD**	Units **µg/Kg**	Prep Date **4/8/2008**	RunNo **106557**
Client ID **ZZZZZZ**	Batch ID **43936**	**SW5035**	Analysis Date **4/9/2008**	SeqNo **1903052**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49 2	1 0	50 00	0	98 4	75	123	47 24	4 02	20	
Toluene	48 0	5.0	50 00	0	95 9	77 3	117	46 77	2 53	20	
Ethylbenzene	49 2	5 0	50 00	0	98 5	80 8	118	48 22	2 09	20	
Xylenes, Total	98 5	5 0	100 0	0	98 5	78 5	121	95 64	2 96	20	
Surr 1,2-Dichloroethane-d4	47 8		50 00		95 6	61	128		0	0	
Surr 4-Bromofluorobenzene	49 5		50 00		99 1	78 2	117		0	0	
Surr Dibromofluoromethane	49 8		50 00		99 5	66 6	130		0	0	
Surr Toluene-d8	48 7		50 00		97 4	80 1	122		0	0	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID	MBLK-G080408-2	SampType	MBLK			Units	µg/Kg	Prep Date	4/8/2008	RunNo	106557	
Client ID	ZZZZZZ	Batch ID	43936				SW5035	Analysis Date	4/9/2008	SeqNo	1903054	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		ND	1 0									
Toluene		ND	5 0									
Ethylbenzene		ND	5 0									
Xylenes, Total		ND	5 0									
Surr 1,2-Dichloroethane-d4		47 0		50 00		93 9	61	128				
Surr 4-Bromofluorobenzene		48 8		50 00		97 6	78 2	117				
Surr Dibromofluoromethane		49 2		50 00		98 5	66 6	130				
Surr Toluene-d8		49 5		50 00		99 0	80 1	122				

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

RECEIVING CHECK LIST

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040186
Report Date: 10-Apr-08

Carrier: Derek Ingram

Received By: AMH

Completed by: On: 03-Apr-08 — Amanda M Harris

Reviewed by: On: 04-Apr-08 — Marvin L Darling

Pages to follow | Chain of custody: 2 | Extra pages included: 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	2 6		
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑				
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑				
Type of thermal preservation?	*None* ☐	*Ice* ☑	*Blue Ice* ☐	*Dry Ice* ☐			
Chain of custody present?	Yes ☑	No ☐					
Chain of custody signed when relinquished and received?	Yes ☑	No ☐					
Chain of custody agrees with sample labels?	Yes ☑	No ☐					
Samples in proper container/bottle?	Yes ☑	No ☐					
Sample containers intact?	Yes ☑	No ☐					
Sufficient sample volume for indicated test?	Yes ☑	No ☐					
All samples received within holding time?	Yes ☑	No ☐					
Reported field parameters measured	Field ☐	Lab ☐	NA ☑				
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐					
When thermal preservation is required, samples are compliant with a temperature between 0 1°C - 6 0°C, or when samples are received on ice the same day as collected							
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑				
Water - pH acceptable upon receipt?	Yes ☑	No ☐					

Any No responses must be detailed below or on the COC

Per Derek Ingram, combine any samples that have depths within three ft Round sample ID's to nearest whole foot AMH 4/3/08

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230
(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

08040186

COC Serial No. B 08660

Project Name: Ameren IP Champaign **Project Mgr.:** Derek Ingram
Project Number: 62403053 **Cost Code:** 024501
Sampler(s): L. Hoosier
Laboratory Name: Teklab
Location: Collinsville IL

Laboratory Temperature upon Receipt: 2.6

Analyses by Method Name and Number

Sample Number and (depth)	Date	Time	Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX 8035 8260B	PAHs 8270SIMS	Metals *	Cyanide 9010 9014	Flue D2974-87	pH 9045C					Comments (Field PID)	Lab ID #'s
B-814 (0.5'-1')	4-1	9:05	X					4	X	X									* Metals - arsenic,	001
B-814 (1'-2')	4-1	9:05	X					2		X	X	X	X						chromium, lead	
B-814 (7'-7.5')	4-1	940	X					4	X	X										002
B-814 (7'-8')	4-1	9:40	X					2		X	X	X	X						Cyanide - total	
B-814 (17'-17.5')	4-1	1030	X					5	X	X									+ amenable	003
B-814 (17-17.5')	4-1	1030	X					5	X	X										
B-816 (1-1.5')	4-1	1120	X					4	X	X										004
B-816 (1'-2')	4-1	1120	X					1	X	X									Rec D. Ingram combine	
B-816 (1'-2')	4-1	1120	X					1	X	X									any depths within	
B-816 (1'-1.5')	4-1	1120	X					4	X	X									the same 3ft. 4/3/08 AMH	
B-816 (9'-9.5')	4-1	1216	X					4	X	X										005
B-816 (9'-10')	4-1	1216	X					1	X	X										

0-2
7-8
17-18
1-2
9-10

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT: ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: Derek Ingram
Send Invoice to:
QC Deliverable Requested. ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Leslie Hoosier	4-3-08	1400
[signature]	4/3	1730

Received by:

Signature	Date	Time
[signature]	4/3	1400
[signature]	4/3/08	1730

Distribution. WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

Chain of Custody Rec

210 West Sand Bank Road (618) 281-7173 Phone
P.O. Box 230 (800) 733-7173
Columbia, IL 62236-0230 (618) 281-5120 Fax

COC Serial No. B 08861

Project Name: Ameren IP Champaign Project Mgr.: Derek Ingram
Project Number: 62403053 Cost Code: 624501
Sampler(s): L. Hoosier
Laboratory Name: Teklab
Laboratory Location: Collinsville IL

Laboratory Temperature upon Receipt: 2.6

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	Analyses by Method Name and Number: BTEX 5035 8260B	PAH 8270SIM	Metals *	Cyanide 9010 9014 for D2974-87	PH 9045C	Comments (Field PID)	Lab ID #'s
B-816 (19'-21')	4-1	1330	X					5	X	X				*Metals:	006
B-818 (2'-3')	4-1	1345	X					5	X	X				arsenic, chromium,	007
B-818 (7.5'-8')	4-1	1405	X					4	X	X				lead	008
B-818 (8'-9')	4-1	1405	X					2	X	X	X	X			
B-818 (14'-14.5')	4-1	1438	X					4	X	X				Cyanide - total	009
B-818 (13'-15')	4-1	1438	X					2	X	X	X	X		+ amenable	
B-818 (24.5'-25')	4-1	1518	X					4	X	X					010
B-818 (25'-26')	4-1	1518	X					1	X	X					
B-822 (1.5'-3')	4-1	1535	X					2	X	X	X	X			012
B-822 (2'-2.5')	4-1	1535	X					4	X	X					
B-822 (6'-7')	4-1	1611	X					1			X	X			011
B-822 (7'-8')	4-1	1611	X					1	X	X					

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT: ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: Derek Ingram
Send Invoice to:
QC Deliverable Requested. ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Leslie Hoosier	4-3-08	1400
	4/3	1730

Received by:

Signature	Date	Time
	4/3	1400
	4/3/08	1730

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

April 09, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH nelac
NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign **WorkOrder:** 08040185

Dear Derek Ingram:

TEKLAB, INC received 9 samples on 4/3/2008 5:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A. White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185
Report Date: 09-Apr-08

SAMPLE SUMMARY

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08040185-001	B-829 @ 2-3 ft	4	4/2/2008 1 38·00 PM
08040185-002	B-829 @ 6-7 ft	4	4/2/2008 2·04·00 PM
08040185-003	B-829 @ 21-22 ft	4	4/2/2008 3 24·00 PM
08040185-004	B-833 @ 2-3 ft	4	4/2/2008 4.20 00 PM
08040185-005	B-833 @ 9-10 ft	4	4/2/2008 4.45 00 PM
08040185-006	B-833 @ 10-12 ft	4	4/2/2008 5.20.00 PM
08040185-007	B-833 @ 25-26 ft	4	4/2/2008 6 10 00 PM
08040185-008	B-833 @ 31-32 ft	4	4/2/2008 6:30 00 PM
08040185-009	B-833 @ 10-12ft DUP	4	4/2/2008 5:20 00 PM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
LabOrder: 08040185
Report Date: 09-Apr-08

CASE NARRATIVE

Cooler Receipt Temp: 2.8 °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	# - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040185
Lab ID: 08040185-001
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-829 @ 2-3 ft
Collection Date: 4/2/2008 1:38:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**22.6**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**77.4**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 043		**0.189**	mg/Kg-dry	10	4/8/2008 3 45 00 PM	TDN
Acenaphthylene	NELAP	0 043		**0.318**	mg/Kg-dry	10	4/8/2008 3 45 00 PM	TDN
Anthracene	NELAP	0 043		**0.331**	mg/Kg-dry	10	4/8/2008 3 45 00 PM	TDN
Benzo(a)anthracene	NELAP	0 043		**2.16**	mg/Kg-dry	10	4/8/2008 3 45 00 PM	TDN
Benzo(a)pyrene	NELAP	0 043		**2.25**	mg/Kg-dry	10	4/8/2008 3 45 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 043		**2.80**	mg/Kg-dry	10	4/8/2008 3 45 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 043		**1.29**	mg/Kg-dry	10	4/8/2008 3 45 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 043		**1.11**	mg/Kg-dry	10	4/8/2008 3 45 00 PM	TDN
Chrysene	NELAP	0 043		**2.12**	mg/Kg-dry	10	4/8/2008 3 45 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 043		**0.422**	mg/Kg-dry	10	4/8/2008 3 45 00 PM	TDN
Fluoranthene	NELAP	0 043		**2.92**	mg/Kg-dry	10	4/8/2008 3 45 00 PM	TDN
Fluorene	NELAP	0 043		**0.172**	mg/Kg-dry	10	4/8/2008 3 45 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 043		**1.28**	mg/Kg-dry	10	4/8/2008 3 45 00 PM	TDN
Naphthalene	NELAP	0 043		**0.074**	mg/Kg-dry	10	4/8/2008 3 45 00 PM	TDN
Phenanthrene	NELAP	0 043		**1.16**	mg/Kg-dry	10	4/8/2008 3 45 00 PM	TDN
Pyrene	NELAP	0 043		**2.69**	mg/Kg-dry	10	4/8/2008 3 45 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**53.9**	%REC	10	4/8/2008 3 45 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**53.9**	%REC	10	4/8/2008 3 45 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**71.9**	%REC	10	4/8/2008 3 45 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 3		**53.3**	µg/Kg-dry	1	4/8/2008 1 42 00 PM	JSA
Ethylbenzene	NELAP	6 5	J	**1.3**	µg/Kg-dry	1	4/8/2008 1 42 00 PM	JSA
Toluene	NELAP	6 5	J	**2.8**	µg/Kg-dry	1	4/8/2008 1 42 00 PM	JSA
Xylenes, Total	NELAP	6 5	J	**6.0**	µg/Kg-dry	1	4/8/2008 1 42 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**102.9**	%REC	1	4/8/2008 1 42 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**84.6**	%REC	1	4/8/2008 1 42 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**97.8**	%REC	1	4/8/2008 1 42 00 PM	JSA
Surr Toluene-d8		80 1-122		**98.3**	%REC	1	4/8/2008 1 42 00 PM	JSA

Sample Narrative

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040185
Lab ID: 08040185-002
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-829 @ 6-7 ft
Collection Date: 4/2/2008 2:04:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19.0**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**81.0**	%	1	4/4/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 36		**8.84**	mg/Kg-dry	1	4/7/2008 10 29 03 PM	LAL
Chromium	NELAP	0 94		**22.9**	mg/Kg-dry	1	4/7/2008 10 29 03 PM	LAL
Lead	NELAP	3 77		**14.9**	mg/Kg-dry	1	4/7/2008 10 29 03 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 008	S	**2.00**	mg/Kg-dry	2	4/8/2008 6 44 00 PM	TDN
Acenaphthylene	NELAP	0 008		**0.240**	mg/Kg-dry	2	4/8/2008 6 44 00 PM	TDN
Anthracene	NELAP	0 008	S	**0.975**	mg/Kg-dry	2	4/8/2008 6 44 00 PM	TDN
Benzo(a)anthracene	NELAP	0 008	S	**0.673**	mg/Kg-dry	2	4/8/2008 6 44 00 PM	TDN
Benzo(a)pyrene	NELAP	0 008		**0.545**	mg/Kg-dry	2	4/8/2008 6 44 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 008		**0.513**	mg/Kg-dry	2	4/8/2008 6 44 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 008		**0.227**	mg/Kg-dry	2	4/8/2008 6 44 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 008		**0.179**	mg/Kg-dry	2	4/8/2008 6 44 00 PM	TDN
Chrysene	NELAP	0 008	S	**0.625**	mg/Kg-dry	2	4/8/2008 6 44 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 008		**0.071**	mg/Kg-dry	2	4/8/2008 6 44 00 PM	TDN
Fluoranthene	NELAP	0 008	S	**1.68**	mg/Kg-dry	2	4/8/2008 6 44 00 PM	TDN
Fluorene	NELAP	0 008	S	**1.38**	mg/Kg-dry	2	4/8/2008 6 44 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 008		**0.194**	mg/Kg-dry	2	4/8/2008 6 44 00 PM	TDN
Naphthalene	NELAP	0 008		**0.063**	mg/Kg-dry	2	4/8/2008 6 44 00 PM	TDN
Phenanthrene	NELAP	0 008	S	**4.10**	mg/Kg-dry	2	4/8/2008 6 44 00 PM	TDN
Pyrene	NELAP	0 008	S	**2.03**	mg/Kg-dry	2	4/8/2008 6 44 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**75.4**	%REC	2	4/8/2008 6 44 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**72.7**	%REC	2	4/8/2008 6 44 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**75.0**	%REC	2	4/8/2008 6 44 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	26 5		**253**	µg/Kg-dry	12 5	4/9/2008 9 52 00 AM	JSA
Ethylbenzene	NELAP	132	J	**66**	µg/Kg-dry	12 5	4/9/2008 9 52 00 AM	JSA
Toluene	NELAP	132		**ND**	µg/Kg-dry	12 5	4/9/2008 9 52 00 AM	JSA
Xylenes, Total	NELAP	132	J	**61**	µg/Kg-dry	12 5	4/9/2008 9 52 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128	S	**130.5**	%REC	12 5	4/9/2008 9 52 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**106.7**	%REC	12 5	4/9/2008 9 52 00 AM	JSA
Surr Dibromofluoromethane		66 6-130	S	**154.7**	%REC	12 5	4/9/2008 9 52 00 AM	JSA
Surr Toluene-d8		80 1-122		**121.9**	%REC	12 5	4/9/2008 9 52 00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 48		**1.02**	mg/Kg-dry	1	4/7/2008	AET

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040185
Lab ID: 08040185-002
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-829 @ 6-7 ft
Collection Date: 4/2/2008 2:04:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 60		**Interference**	mg/Kg-dry	1	4/8/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Matrix spike did not recover within control limits because of sample composition
SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Surrogate recovery was outside QC limits due to matrix interference
Elevated reporting limit due to high levels of target and/or non-target analytes

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040185
Lab ID: 08040185-003
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-829 @ 21-22 ft
Collection Date: 4/2/2008 3:24:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**10.1**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**89.9**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 22 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 22 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 22 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 22 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 22 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 22 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 22 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 22 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 22 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 22 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 22 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 22 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 22 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 22 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 22 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 22 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**60.5**	%REC	1	4/7/2008 12 22 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**63.5**	%REC	1	4/7/2008 12 22 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**71 5**	%REC	1	4/7/2008 12 22 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	87 3		**14000**	µg/Kg-dry	50	4/9/2008 9 22 00 AM	JSA
Ethylbenzene	NELAP	5 6		**ND**	µg/Kg-dry	1	4/8/2008 2 13 00 PM	JSA
Toluene	NELAP	5 6	J	**2.3**	µg/Kg-dry	1	4/8/2008 2 13 00 PM	JSA
Xylenes, Total	NELAP	5 6	J	**2.1**	µg/Kg-dry	1	4/8/2008 2 13 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128	S	**60.0**	%REC	1	4/8/2008 2 13 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**81.7**	%REC	1	4/8/2008 2 13 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**99.7**	%REC	1	4/8/2008 2 13 00 PM	JSA
Surr Toluene-d8		80 1-122		**91.0**	%REC	1	4/8/2008 2 13 00 PM	JSA

Sample Narrative
SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Surrogate recovery was outside QC limits due to matrix interference

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040185
Lab ID: 08040185-004
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-833 @ 2-3 ft
Collection Date: 4/2/2008 4:20:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**16.6**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**83.4**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 402		**ND**	mg/Kg-dry	100	4/8/2008 1 22 00 AM	TDN
Acenaphthylene	NELAP	0 402		**4.15**	mg/Kg-dry	100	4/8/2008 1 22 00 AM	TDN
Anthracene	NELAP	0 402		**1.59**	mg/Kg-dry	100	4/8/2008 1 22 00 AM	TDN
Benzo(a)anthracene	NELAP	0 402		**5.10**	mg/Kg-dry	100	4/8/2008 1 22 00 AM	TDN
Benzo(a)pyrene	NELAP	0 402		**8.10**	mg/Kg-dry	100	4/8/2008 1 22 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 402		**9.26**	mg/Kg-dry	100	4/8/2008 1 22 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 402		**7.21**	mg/Kg-dry	100	4/8/2008 1 22 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 402		**2.63**	mg/Kg-dry	100	4/8/2008 1 22 00 AM	TDN
Chrysene	NELAP	0 402		**6.02**	mg/Kg-dry	100	4/8/2008 1 22 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 402		**1.39**	mg/Kg-dry	100	4/8/2008 1 22 00 AM	TDN
Fluoranthene	NELAP	0 402		**7.53**	mg/Kg-dry	100	4/8/2008 1 22 00 AM	TDN
Fluorene	NELAP	0 402		**0.528**	mg/Kg-dry	100	4/8/2008 1 22 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 402		**5.23**	mg/Kg-dry	100	4/8/2008 1 22 00 AM	TDN
Naphthalene	NELAP	0 402	J	**0.37**	mg/Kg-dry	100	4/8/2008 1 22 00 AM	TDN
Phenanthrene	NELAP	0 402		**3.80**	mg/Kg-dry	100	4/8/2008 1 22 00 AM	TDN
Pyrene	NELAP	0 402		**12.3**	mg/Kg-dry	100	4/8/2008 1 22 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**79.8**	%REC	100	4/8/2008 1 22 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**20.0**	%REC	100	4/8/2008 1 22 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**59.9**	%REC	100	4/8/2008 1 22 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**17.0**	µg/Kg-dry	1	4/8/2008 2 43 00 PM	JSA
Ethylbenzene	NELAP	6 0		**ND**	µg/Kg-dry	1	4/8/2008 2 43 00 PM	JSA
Toluene	NELAP	6 0	J	**2.5**	µg/Kg-dry	1	4/8/2008 2 43 00 PM	JSA
Xylenes, Total	NELAP	6 0	J	**2.1**	µg/Kg-dry	1	4/8/2008 2 43 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**108.5**	%REC	1	4/8/2008 2 43 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**90.0**	%REC	1	4/8/2008 2 43 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**105.3**	%REC	1	4/8/2008 2 43 00 PM	JSA
Surr Toluene-d8		80 1-122		**97.1**	%REC	1	4/8/2008 2 43 00 PM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040185
Lab ID: 08040185-005
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-833 @ 9-10 ft
Collection Date: 4/2/2008 4:45:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**22.6**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**77.4**	%	1	4/4/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**2.92**	mg/Kg-dry	1	4/8/2008 11 41 41 AM	LAL
Chromium	NELAP	1 00		**24.2**	mg/Kg-dry	1	4/7/2008 10 49 24 PM	LAL
Lead	NELAP	4 00		**19.7**	mg/Kg-dry	1	4/7/2008 10 49 24 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 439		**3.09**	mg/Kg-dry	100	4/8/2008 1 57 00 AM	TDN
Acenaphthylene	NELAP	0 439		**11.7**	mg/Kg-dry	100	4/8/2008 1 57 00 AM	TDN
Anthracene	NELAP	0 439		**11.0**	mg/Kg-dry	100	4/8/2008 1 57 00 AM	TDN
Benzo(a)anthracene	NELAP	0 439		**6.26**	mg/Kg-dry	100	4/8/2008 1 57 00 AM	TDN
Benzo(a)pyrene	NELAP	0 439		**4.38**	mg/Kg-dry	100	4/8/2008 1 57 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 439		**4.86**	mg/Kg-dry	100	4/8/2008 1 57 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 439		**1.30**	mg/Kg-dry	100	4/8/2008 1 57 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 439		**1.93**	mg/Kg-dry	100	4/8/2008 1 57 00 AM	TDN
Chrysene	NELAP	0 439		**5.35**	mg/Kg-dry	100	4/8/2008 1 57 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 439		**0.517**	mg/Kg-dry	100	4/8/2008 1 57 00 AM	TDN
Fluoranthene	NELAP	0 439		**17.0**	mg/Kg-dry	100	4/8/2008 1 57 00 AM	TDN
Fluorene	NELAP	0 439		**14.2**	mg/Kg-dry	100	4/8/2008 1 57 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 439		**1.43**	mg/Kg-dry	100	4/8/2008 1 57 00 AM	TDN
Naphthalene	NELAP	0 439		**52.2**	mg/Kg-dry	100	4/8/2008 1 57 00 AM	TDN
Phenanthrene	NELAP	0 439		**36.5**	mg/Kg-dry	100	4/8/2008 1 57 00 AM	TDN
Pyrene	NELAP	0 439		**14.3**	mg/Kg-dry	100	4/8/2008 1 57 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**39.9**	%REC	100	4/8/2008 1 57 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**39.9**	%REC	100	4/8/2008 1 57 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**59.9**	%REC	100	4/8/2008 1 57 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1290		**13200**	µg/Kg-dry	1000	4/8/2008 4 14 00 PM	JSA
Ethylbenzene	NELAP	6460	J	**5500**	µg/Kg-dry	1000	4/8/2008 4 14 00 PM	JSA
Toluene	NELAP	6460		**34900**	µg/Kg-dry	1000	4/8/2008 4 14 00 PM	JSA
Xylenes, Total	NELAP	6460		**54000**	µg/Kg-dry	1000	4/8/2008 4 14 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**96.9**	%REC	1000	4/8/2008 4 14 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**99.0**	%REC	1000	4/8/2008 4 14 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**99.9**	%REC	1000	4/8/2008 4 14 00 PM	JSA
Surr Toluene-d8		80 1-122		**100 3**	%REC	1000	4/8/2008 4 14 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 46		**1.31**	mg/Kg-dry	1	4/7/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040185
Lab ID: 08040185-005
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-833 @ 9-10 ft
Collection Date: 4/2/2008 4:45:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 63		**Interference**	mg/Kg-dry	1	4/8/2008	AET

Sample Narrative

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040185
Lab ID: 08040185-006
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-833 @ 10-12 ft
Collection Date: 4/2/2008 5:20:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**22.2**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**77.8**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 434		**10.1**	mg/Kg-dry	100	4/8/2008 2 32 00 AM	TDN
Acenaphthylene	NELAP	0 434		**41.5**	mg/Kg-dry	100	4/8/2008 2 32 00 AM	TDN
Anthracene	NELAP	0 434		**35.0**	mg/Kg-dry	100	4/8/2008 2 32 00 AM	TDN
Benzo(a)anthracene	NELAP	0 434		**20 5**	mg/Kg-dry	100	4/8/2008 2 32 00 AM	TDN
Benzo(a)pyrene	NELAP	0 434		**14.9**	mg/Kg-dry	100	4/8/2008 2 32 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 434		**15.5**	mg/Kg-dry	100	4/8/2008 2 32 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 434		**4.68**	mg/Kg-dry	100	4/8/2008 2 32 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 434		**6.04**	mg/Kg-dry	100	4/8/2008 2 32 00 AM	TDN
Chrysene	NELAP	0 434		**19.3**	mg/Kg-dry	100	4/8/2008 2 32 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 434		**2.20**	mg/Kg-dry	100	4/8/2008 2 32 00 AM	TDN
Fluoranthene	NELAP	0 434		**52.7**	mg/Kg-dry	100	4/8/2008 2 32 00 AM	TDN
Fluorene	NELAP	0 434		**44.9**	mg/Kg-dry	100	4/8/2008 2 32 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 434		**5.10**	mg/Kg-dry	100	4/8/2008 2 32 00 AM	TDN
Naphthalene	NELAP	0 434		**201**	mg/Kg-dry	100	4/8/2008 2 32 00 AM	TDN
Phenanthrene	NELAP	0 434		**106**	mg/Kg-dry	100	4/8/2008 2 32 00 AM	TDN
Pyrene	NELAP	0 434		**45.0**	mg/Kg-dry	100	4/8/2008 2 32 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**59.9**	%REC	100	4/8/2008 2 32 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**59.9**	%REC	100	4/8/2008 2 32 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**99.8**	%REC	100	4/8/2008 2 32 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1290		**15300**	µg/Kg-dry	1000	4/8/2008 4 44 00 PM	JSA
Ethylbenzene	NELAP	6430		**6810**	µg/Kg-dry	1000	4/8/2008 4 44 00 PM	JSA
Toluene	NELAP	6430		**42900**	µg/Kg-dry	1000	4/8/2008 4 44 00 PM	JSA
Xylenes, Total	NELAP	6430		**68200**	µg/Kg-dry	1000	4/8/2008 4 44 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**96.0**	%REC	1000	4/8/2008 4 44 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**97.9**	%REC	1000	4/8/2008 4 44 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**98.9**	%REC	1000	4/8/2008 4 44 00 PM	JSA
Surr Toluene-d8		80 1-122		**100.3**	%REC	1000	4/8/2008 4 44 00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040185
Lab ID: 08040185-007
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-833 @ 25-26 ft
Collection Date: 4/2/2008 6:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**10.4**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**89.6**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0.091**	mg/Kg-dry	1	4/7/2008 12 56 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0.669**	mg/Kg-dry	1	4/7/2008 12 56 00 PM	TDN
Anthracene	NELAP	0 004		**0.078**	mg/Kg-dry	1	4/7/2008 12 56 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.013**	mg/Kg-dry	1	4/7/2008 12 56 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.009**	mg/Kg-dry	1	4/7/2008 12 56 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.010**	mg/Kg-dry	1	4/7/2008 12 56 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.006**	mg/Kg-dry	1	4/7/2008 12 56 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	4/7/2008 12 56 00 PM	TDN
Chrysene	NELAP	0 004		**0.012**	mg/Kg-dry	1	4/7/2008 12 56 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 12 56 00 PM	TDN
Fluoranthene	NELAP	0 004		**0.038**	mg/Kg-dry	1	4/7/2008 12 56 00 PM	TDN
Fluorene	NELAP	0 004		**0.299**	mg/Kg-dry	1	4/7/2008 12 56 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.004**	mg/Kg-dry	1	4/7/2008 12 56 00 PM	TDN
Naphthalene	NELAP	0 038		**4 64**	mg/Kg-dry	10	4/8/2008 7 20 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.249**	mg/Kg-dry	1	4/7/2008 12 56 00 PM	TDN
Pyrene	NELAP	0 004		**0.031**	mg/Kg-dry	1	4/7/2008 12 56 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**53.3**	%REC	1	4/7/2008 12 56 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**55.7**	%REC	1	4/7/2008 12 56 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**66 7**	%REC	1	4/7/2008 12 56 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1120		**3190**	µg/Kg-dry	1000	4/8/2008 5 14 00 PM	JSA
Ethylbenzene	NELAP	5580		**7160**	µg/Kg-dry	1000	4/8/2008 5 14 00 PM	JSA
Toluene	NELAP	5580		**29400**	µg/Kg-dry	1000	4/8/2008 5 14 00 PM	JSA
Xylenes, Total	NELAP	5580		**75100**	µg/Kg-dry	1000	4/8/2008 5 14 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**94.8**	%REC	1000	4/8/2008 5 14 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**97.7**	%REC	1000	4/8/2008 5 14 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**96.5**	%REC	1000	4/8/2008 5 14 00 PM	JSA
Surr Toluene-d8		80 1-122		**100.2**	%REC	1000	4/8/2008 5 14 00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040185
Lab ID: 08040185-008
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-833 @ 31-32 ft
Collection Date: 4/2/2008 6:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**10**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**90.0**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0.021**	mg/Kg-dry	1	4/7/2008 2 40 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0.023**	mg/Kg-dry	1	4/7/2008 2 40 00 PM	TDN
Anthracene	NELAP	0 004		**0.043**	mg/Kg-dry	1	4/7/2008 2 40 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.035**	mg/Kg-dry	1	4/7/2008 2 40 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.027**	mg/Kg-dry	1	4/7/2008 2 40 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.029**	mg/Kg-dry	1	4/7/2008 2 40 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.014**	mg/Kg-dry	1	4/7/2008 2 40 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.011**	mg/Kg-dry	1	4/7/2008 2 40 00 PM	TDN
Chrysene	NELAP	0 004		**0.034**	mg/Kg-dry	1	4/7/2008 2 40 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0.004**	mg/Kg-dry	1	4/7/2008 2 40 00 PM	TDN
Fluoranthene	NELAP	0 004		**0 087**	mg/Kg-dry	1	4/7/2008 2 40 00 PM	TDN
Fluorene	NELAP	0 004		**0.036**	mg/Kg-dry	1	4/7/2008 2 40 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.011**	mg/Kg-dry	1	4/7/2008 2 40 00 PM	TDN
Naphthalene	NELAP	0 004		**0.072**	mg/Kg-dry	1	4/7/2008 2 40 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.143**	mg/Kg-dry	1	4/7/2008 2:40:00 PM	TDN
Pyrene	NELAP	0 004		**0 083**	mg/Kg-dry	1	4/7/2008 2 40 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**42.3**	%REC	1	4/7/2008 2:40 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**50.1**	%REC	1	4/7/2008 2 40 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**67.9**	%REC	1	4/7/2008 2 40 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**6.0**	µg/Kg-dry	1	4/9/2008 10 52 00 AM	JSA
Ethylbenzene	NELAP	4 4	J	**1.3**	µg/Kg-dry	1	4/9/2008 10 52 00 AM	JSA
Toluene	NELAP	4 4		**5.6**	µg/Kg-dry	1	4/9/2008 10 52 00 AM	JSA
Xylenes, Total	NELAP	4 4	J	**3.7**	µg/Kg-dry	1	4/9/2008 10 52 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**70.8**	%REC	1	4/9/2008 10 52 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**112.6**	%REC	1	4/9/2008 10 52 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**71.2**	%REC	1	4/9/2008 10 52 00 AM	JSA
Surr Toluene-d8		80 1-122		**102.7**	%REC	1	4/9/2008 10 52 00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040185
Lab ID: 08040185-009
Report Date: 09-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-833 @ 10-12ft DUP
Collection Date: 4/2/2008 5:20:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**22.5**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**77.5**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 439		**12.9**	mg/Kg-dry	100	4/8/2008 3 07 00 AM	TDN
Acenaphthylene	NELAP	0 439		**57 6**	mg/Kg-dry	100	4/8/2008 3 07 00 AM	TDN
Anthracene	NELAP	0 439		**40.3**	mg/Kg-dry	100	4/8/2008 3 07 00 AM	TDN
Benzo(a)anthracene	NELAP	0 439		**26.5**	mg/Kg-dry	100	4/8/2008 3 07 00 AM	TDN
Benzo(a)pyrene	NELAP	0 439		**19.6**	mg/Kg-dry	100	4/8/2008 3 07 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 439		**21.4**	mg/Kg-dry	100	4/8/2008 3 07 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 439		**5.74**	mg/Kg-dry	100	4/8/2008 3 07 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 439		**8.68**	mg/Kg-dry	100	4/8/2008 3 07 00 AM	TDN
Chrysene	NELAP	0 439		**24.6**	mg/Kg-dry	100	4/8/2008 3 07 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 439		**2.69**	mg/Kg-dry	100	4/8/2008 3 07 00 AM	TDN
Fluoranthene	NELAP	0 439		**66.0**	mg/Kg-dry	100	4/8/2008 3 07 00 AM	TDN
Fluorene	NELAP	0 439		**58.9**	mg/Kg-dry	100	4/8/2008 3 07 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 439		**6.72**	mg/Kg-dry	100	4/8/2008 3 07 00 AM	TDN
Naphthalene	NELAP	2 20		**325**	mg/Kg-dry	500	4/8/2008 7 56 00 PM	TDN
Phenanthrene	NELAP	0 439		**117**	mg/Kg-dry	100	4/8/2008 3 07 00 AM	TDN
Pyrene	NELAP	0 439		**50.6**	mg/Kg-dry	100	4/8/2008 3 07 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**99.8**	%REC	100	4/8/2008 3 07 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**59.9**	%REC	100	4/8/2008 3 07 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**99.8**	%REC	100	4/8/2008 3 07 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1290		**50700**	µg/Kg-dry	1000	4/8/2008 3 44 00 PM	JSA
Ethylbenzene	NELAP	6450		**24000**	µg/Kg-dry	1000	4/8/2008 3 44 00 PM	JSA
Toluene	NELAP	6450		**163000**	µg/Kg-dry	1000	4/8/2008 3 44 00 PM	JSA
Xylenes, Total	NELAP	6450		**255000**	µg/Kg-dry	1000	4/8/2008 3 44 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**96.6**	%REC	1000	4/8/2008 3 44 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**99.7**	%REC	1000	4/8/2008 3 44 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**99.2**	%REC	1000	4/8/2008 3 44 00 PM	JSA
Surr Toluene-d8		80 1-122		**99.7**	%REC	1000	4/8/2008 3 44 00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185
Report Date: 09-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040185-001A	B-829 @ 2-3 ft	4/2/2008	Solid	ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040185-001D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
08040185-002A	B-829 @ 6-7 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3050B, 6010B, Metals by ICP	4/7/2008	4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
				SW-846 9010B, 9014	4/4/2008	4/7/2008
				SW-846 9014A	4/4/2008	4/8/2008
08040185-002D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/9/2008
08040185-003A	B-829 @ 21-22 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040185-003D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/9/2008

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185
Report Date: 09-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040185-003D	B-829 @ 21-22 ft	4/2/2008	Solid	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/9/2008
08040185-004A	B-833 @ 2-3 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/5/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040185-004D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
08040185-005A	B-833 @ 9-10 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3050B, 6010B, Metals by ICP	4/7/2008	4/7/2008
				SW-846 3050B, 6010B, Metals by ICP	4/7/2008	4/8/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/5/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
				SW-846 9010B, 9014	4/4/2008	4/7/2008
				SW-846 9014A	4/4/2008	4/8/2008
08040185-005D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
08040185-006A	B-833 @ 10-12 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/5/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040185-006D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
08040185-007A	B-833 @ 25-26 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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DATES REPORT

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185
Report Date: 09-Apr-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040185-007A	B-833 @ 25-26 ft	4/2/2008	Solid	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/5/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040185-007D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008
08040185-008A	B-833 @ 31-32 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/5/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
040185-008D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/9/2008
08040185-009A	B-833 @ 10-12ft DUP			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/5/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040185-009D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/8/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes. (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_ACN_S_MT

Sample ID. **MB-43868**	SampType. **MBLK**			Units. **mg/Kg**		Prep Date **4/4/2008**		RunNo. **106511**		
Client ID **ZZZZZZ**	Batch ID· **43868**			**SOP2092**		Analysis Date **4/8/2008**		SeqNo **1902016**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination	< 0.50	0 50									

Sample ID **LCS-43868**	SampType· **LCS**			Units: **mg/Kg**		Prep Date· **4/4/2008**		RunNo· **106511**		
Client ID **ZZZZZZ**	Batch ID **43868**			**SOP2092**		Analysis Date: **4/8/2008**		SeqNo **1902017**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination	9 86	0 50	10 00	0	98 6	85	115				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TCN_S_MT

Sample ID	MB-43867	SampType	MBLK			Units	mg/Kg	Prep Date	4/4/2008		RunNo	106471	
Client ID	ZZZZZZ	Batch ID	43867				SW9010	Analysis Date	4/7/2008		SeqNo	1900925	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		< 0.01	0 01										

Sample ID	LCS-43867	SampType	LCS			Units	mg/Kg	Prep Date	4/4/2008		RunNo	106471	
Client ID	ZZZZZZ	Batch ID	43867				SW9010	Analysis Date	4/7/2008		SeqNo	1900926	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		0 20	0 01	0 2000	0	98 9	85	115					

Sample ID	LCSD-43867	SampType	LCSD			Units	mg/Kg	Prep Date	4/4/2008		RunNo	106471	
Client ID	ZZZZZZ	Batch ID	43867				SW9010	Analysis Date	4/7/2008		SeqNo	1900927	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		0 19	0 01	0 2000	0	97 3	85	115	0 1979	1 72	15		

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TS_M_MT

Sample ID. **LCS-R106413**	SampType. **LCS**			Units **%**		Prep Date		RunNo **106413**		
Client ID: **ZZZZZZ**	Batch ID. **R106413**					Analysis Date: **4/4/2008**		SeqNo. **1899672**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	1 0	0 1	1 000	0	100	90	110				

Sample ID **LCSQC**	SampType **LCSQC**			Units: **%**		Prep Date:		RunNo **106413**		
Client ID **ZZZZZZ**	Batch ID: **R106413**					Analysis Date: **4/4/2008**		SeqNo **1899673**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	1.0	0 1	1 000	0	100	90	110				

Sample ID: **08040185-005ADUP**	SampType **DUP**			Units: **%**		Prep Date:		RunNo **106413**		
Client ID. **B-833 @ 9-10 ftDUP**	Batch ID: **R106413**					Analysis Date: **4/4/2008**		SeqNo **1899690**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	77 9	0 1						77 42	0 669	15	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_SOLIDS_ICP

Sample ID **MB-43859**	SampType. **MBLK**			Units: **mg/Kg-dry**		Prep Date: **4/7/2008**		RunNo: **106443**		
Client ID **ZZZZZZ**	Batch ID: **43859**			**SOP 3032**		Analysis Date: **4/7/2008**		SeqNo **1901041**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 2 50	2 50	2 500	0	0	-100	100				
Chromium	< 1 00	1 00	1 000	0	0	-100	100				
Lead	< 4.00	4.00	4 000	0	0	-100	100				

Sample ID **LCS-43859**	SampType **LCS**			Units **mg/Kg-dry**		Prep Date **4/7/2008**		RunNo **106443**		
Client ID. **ZZZZZZ**	Batch ID: **43859**			**SOP 3032**		Analysis Date: **4/7/2008**		SeqNo **1901042**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	210	2 50	200.0	0	105.1	85	115				
Chromium	21 2	1.00	20 00	0	105 8	85	115				
Lead	52 1	4.00	50.00	0	104.2	85	115				

Sample ID: **08040185-002AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **4/7/2008**		RunNo **106443**		
Client ID. **B-829 @ 6-7 ftMS**	Batch ID **43859**			**SOP 3032**		Analysis Date **4/7/2008**		SeqNo **1901380**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	184	2.36	188.7	8 840	92.7	75	125				
Chromium	39 9	0 94	18 87	22 87	90 3	75	125				
Lead	56.1	3.77	47 17	14.87	87.4	75	125				

Sample ID **08040185-002AMSD**	SampType **MSD**			Units: **mg/Kg-dry**		Prep Date: **4/7/2008**		RunNo: **106443**		
Client ID **B-829 @ 6-7 ftMSD**	Batch ID: **43859**			**SOP 3032**		Analysis Date: **4/7/2008**		SeqNo: **1901381**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	183	2 36	188 7	8 840	92 4	75	125	183 8	0 308	20	
Chromium	39 7	0 94	18.87	22 87	89 0	75	125	39 91	0 617	20	
Lead	55.6	3 77	47 17	14 87	86 4	75	125	56 11	0 861	20	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_SOLIDS_ICP

Sample ID. **MB-43859**	SampType **MBLK**			Units· **mg/Kg-dry**		Prep Date: **4/7/2008**			RunNo **106505**		
Client ID· **ZZZZZZ**	Batch ID: **43859**			**SOP 3032**		Analysis Date· **4/8/2008**			SeqNo **1902519**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	< 4.00	4.00	4 000	0	0	-100	100				

Sample ID· **LCS-43859**	SampType· **LCS**			Units· **mg/Kg-dry**		Prep Date **4/7/2008**			RunNo **106505**		
Client ID **ZZZZZZ**	Batch ID: **43859**			**SOP 3032**		Analysis Date: **4/8/2008**			SeqNo **1902520**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	46 1	4.00	50 00	0	92.1	85	115				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID. **MB-43852**	SampType **MBLK**			Units· **mg/Kg**		Prep Date **4/4/2008**		RunNo **106416**			
Client ID· **ZZZZZZ**	Batch ID: **43852**			**SW3550B**		Analysis Date. **4/4/2008**		SeqNo. **1899784**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 003									
Acenaphthylene	ND	0.003									
Anthracene	ND	0.003									
Benzo(a)anthracene	ND	0 003									
Benzo(a)pyrene	ND	0 003									
Benzo(b)fluoranthene	ND	0 003									
Benzo(g,h,i)perylene	ND	0.003									
Benzo(k)fluoranthene	ND	0 003									
Chrysene	ND	0.003									
Dibenzo(a,h)anthracene	ND	0 003									
Fluoranthene	ND	0.003									
Fluorene	ND	0 003									
Indeno(1,2,3-cd)pyrene	ND	0.003									
Naphthalene	ND	0.003									
Phenanthrene	ND	0.003									
Pyrene	ND	0.003									
Surr 2-Fluorobiphenyl	0.119		0 1670		71 5	17 5	123				
Surr Nitrobenzene-d5	0.111		0 1670		66 7	35	105				
Surr p-Terphenyl-d14	0.131		0 1670		78 2	53 6	122				

Sample ID **MB-43877**	SampType **MBLK**			Units: **mg/Kg**		Prep Date: **4/7/2008**		RunNo· **106478**			
Client ID **ZZZZZZ**	Batch ID· **43877**			**SW3550B**		Analysis Date: **4/7/2008**		SeqNo **1900968**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 003									
Acenaphthylene	ND	0.003									
Anthracene	ND	0 003									
Benzo(a)anthracene	ND	0 003									
Benzo(a)pyrene	ND	0 003									
Benzo(b)fluoranthene	ND	0.003									
Benzo(g,h,i)perylene	ND	0.003									

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID **MB-43877**	SampType **MBLK**			Units **mg/Kg**		Prep Date: **4/7/2008**		RunNo **106478**		
Client ID. **ZZZZZZ**	Batch ID **43877**			**SW3550B**		Analysis Date. **4/7/2008**		SeqNo. **1900968**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	ND	0 003									
Chrysene	ND	0 003									
Dibenzo(a,h)anthracene	ND	0.003									
Fluoranthene	ND	0.003									
Fluorene	ND	0.003									
Indeno(1,2,3-cd)pyrene	ND	0.003									
Naphthalene	ND	0 003									
Phenanthrene	ND	0 003									
Pyrene	ND	0 003									
Surr. 2-Fluorobiphenyl	0.119		0.1670		71 5	17 5	123				
Surr. Nitrobenzene-d5	0.109		0 1670		65 3	35	105				
Surr p-Terphenyl-d14	0.127		0.1670		76.0	53.6	122				

Sample ID. **LCS-43877**	SampType **LCS**			Units **mg/Kg**		Prep Date. **4/7/2008**		RunNo **106478**		
Client ID. **ZZZZZZ**	Batch ID **43877**			**SW3550B**		Analysis Date **4/7/2008**		SeqNo. **1900969**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.104	0 003	0.1670	0	62 5	56 3	115				
Acenaphthylene	0.122	0.003	0.1670	0	73.3	60.3	143				
Anthracene	0 103	0 003	0 1670	0	61 5	52 1	109				
Benzo(a)anthracene	0 101	0.003	0 1670	0	60 3	52 8	112				
Benzo(a)pyrene	0.107	0 003	0 1670	0	63 8	40 8	127				
Benzo(b)fluoranthene	0.125	0 003	0 1670	0	74 6	50 1	150				
Benzo(g,h,i)perylene	0 123	0 003	0 1670	0	73.6	52.8	145				
Benzo(k)fluoranthene	0.124	0 003	0 1670	0	74 5	52	153				
Chrysene	0 112	0.003	0.1670	0	66 9	60 8	128				
Dibenzo(a,h)anthracene	0 120	0 003	0 1670	0	71 8	54 9	150				
Fluoranthene	0.109	0.003	0 1670	0	65 3	58 7	125				
Fluorene	0.108	0.003	0.1670	0	64 9	57 8	125				
Indeno(1,2,3-cd)pyrene	0.119	0.003	0.1670	0	71 4	52	147				
Naphthalene	0.092	0.003	0.1670	0	55 1	54 8	113				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID: LCS-43877	SampType: LCS			Units: mg/Kg		Prep Date: 4/7/2008		RunNo: 106478			
Client ID: ZZZZZZ	Batch ID: 43877			SW3550B		Analysis Date: 4/7/2008		SeqNo: 1900969			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	0.110	0.003	0.1670	0	65 6	60 4	121				
Pyrene	0.111	0 003	0.1670	0	66 4	57 9	129				
Surr: 2-Fluorobiphenyl	0 115		0.1670		68 7	35 3	113				
Surr: Nitrobenzene-d5	0 099		0 1670		59 5	33 9	108				
Surr: p-Terphenyl-d14	0.118		0 1670		70.5	58 4	122				

Sample ID: 08040185-002AMS	SampType: MS			Units: mg/Kg-dry		Prep Date: 4/7/2008		RunNo: 106478			
Client ID: B-829 @ 6-7 ftMS	Batch ID: 43877			SW3550B		Analysis Date: 4/8/2008		SeqNo: 1901645			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1.74	0 008	0 2021	2 003	-128 7	36	135				S
Acenaphthylene	0.356	0 008	0.2021	0.2399	57 5	17.2	167				
Anthracene	0.933	0.008	0 2021	0 9749	-20 7	39 3	124				S
Benzo(a)anthracene	0.657	0.008	0 2021	0 6728	-7.7	10	183				S
Benzo(a)pyrene	0.586	0.008	0 2021	0 5453	20 3	10	204				
Benzo(b)fluoranthene	0.535	0 008	0.2021	0 5128	11 2	10 6	178				
Benzo(g,h,i)perylene	0.330	0.008	0.2021	0 2274	50 7	10	168				
Benzo(k)fluoranthene	0.328	0.008	0.2021	0.1785	74 2	27 6	181				
Chrysene	0.636	0.008	0.2021	0.6253	5.4	10	176				S
Dibenzo(a,h)anthracene	0.208	0.008	0 2021	0 07061	67 8	12 2	156				
Fluoranthene	1.47	0.008	0 2021	1 682	-105 7	10	227				S
Fluorene	1 23	0 008	0 2021	1 384	-76.5	35 2	148				S
Indeno(1,2,3-cd)pyrene	0.314	0.008	0 2021	0 1936	59 6	10	164				
Naphthalene	0 187	0 008	0 2021	0 06295	61 1	14 7	128				
Phenanthrene	3 40	0.008	0 2021	4 095	-343 0	32.8	143				S
Pyrene	1.77	0 008	0 2021	2 031	-130 5	10	180				S
Surr: 2-Fluorobiphenyl	0 152		0 2021		75 4	10	131				
Surr: Nitrobenzene-d5	0 130		0.2021		64 3	10	132				
Surr: p-Terphenyl-d14	0 154		0 2021		76 2	30 6	131				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID: **08040185-002AMSD**	SampType. **MSD**	Units. **mg/Kg-dry**	Prep Date: **4/7/2008**	RunNo **106478**
Client ID **B-829 @ 6-7 ftMSD**	Batch ID: **43877**	**SW3550B**	Analysis Date: **4/8/2008**	SeqNo: **1901646**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	2 16	0 008	0 2074	2 003	74 0	36	135	1 743	21 2	49 7	
Acenaphthylene	0 397	0 008	0.2074	0 2399	75 7	17 2	167	0 3561	10 8	33 3	
Anthracene	1 11	0.008	0 2074	0 9749	63 6	39.3	124	0 9331	17 0	51 1	
Benzo(a)anthracene	0 816	0.008	0.2074	0 6728	69 2	10	183	0 6573	21 6	40 6	
Benzo(a)pyrene	0.699	0.008	0 2074	0.5453	74 0	10	204	0.5864	17.5	56.4	
Benzo(b)fluoranthene	0.687	0 008	0 2074	0 5128	83.9	10 6	178	0 5355	24 8	49 7	
Benzo(g,h,i)perylene	0.373	0 008	0 2074	0 2274	70 0	10	168	0 3298	12 2	36.5	
Benzo(k)fluoranthene	0.351	0.008	0 2074	0.1785	83.0	27.6	181	0 3285	6.56	42 6	
Chrysene	0.742	0.008	0.2074	0 6253	56 4	10	176	0 6362	15 4	45 1	
Dibenzo(a,h)anthracene	0 209	0 008	0 2074	0 07061	66 6	12 2	156	0 2076	0 496	39 9	
Fluoranthene	1 85	0.008	0 2074	1 682	78 9	10	227	1.469	22.8	66 2	
Fluorene	1.44	0 008	0 2074	1 384	24.8	35.2	148	1 230	15 5	65.6	S
Indeno(1,2,3-cd)pyrene	0 342	0.008	0 2074	0 1936	71 7	10	164	0 3140	8 62	36 5	
Naphthalene	0.183	0.008	0 2074	0 06295	58 0	14 7	128	0 1865	1 81	39 6	
Phenanthrene	3.83	0.008	0 2074	4 095	-130 1	32.8	143	3.402	11.7	35.4	S
Pyrene	2 21	0 008	0.2074	2 031	84 1	10	180	1 768	22 1	60 1	
Surr 2-Fluorobiphenyl	0 140		0 2074		67 5	10	131		0	40	
Surr. Nitrobenzene-d5	0 115		0 2074		55 5	10	132		0	40	
Surr p-Terphenyl-d14	0 137		0 2074		66 3	30 6	131		0	40	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID: LCS-G080408-1	SampType: LCS			Units: µg/Kg		Prep Date: 4/8/2008			RunNo 106524	
Client ID: ZZZZZZ	Batch ID: 43917			SW5035		Analysis Date: 4/8/2008			SeqNo 1902238	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.2	1.0	50.00	0	100 3	75	123				
Toluene	50.4	5 0	50 00	0	100 7	77 3	117				
Ethylbenzene	51.8	5 0	50.00	0	103 6	80 8	118				
Xylenes, Total	104	5 0	100 0	0	104 4	78 5	121				
Surr. 1,2-Dichloroethane-d4	50 1		50.00		100 1	61	128				
Surr. 4-Bromofluorobenzene	48.7		50 00		97 4	78 2	117				
Surr Dibromofluoromethane	51.7		50 00		103 4	66 6	130				
Surr. Toluene-d8	49 7		50 00		99 4	80 1	122				

Sample ID: LCSD-G080408-1	SampType: LCSD			Units: µg/Kg		Prep Date: 4/8/2008			RunNo 106524	
Client ID: ZZZZZZ	Batch ID: 43917			SW5035		Analysis Date: 4/8/2008			SeqNo. 1902239	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50 2	1.0	50 00	0	100 3	75	123	50.15	0	20	
Toluene	50 2	5.0	50 00	0	100 3	77 3	117	50.35	0.358	20	
Ethylbenzene	52 0	5 0	50.00	0	104 1	80.8	118	51.78	0 482	20	
Xylenes, Total	103	5.0	100.0	0	103 4	78.5	121	104 4	0.963	20	
Surr: 1,2-Dichloroethane-d4	51.1		50.00		102.2	61	128		0	0	
Surr: 4-Bromofluorobenzene	49 1		50 00		98.2	78 2	117		0	0	
Surr. Dibromofluoromethane	50.9		50.00		101.9	66 6	130		0	0	
Surr: Toluene-d8	49.8		50.00		99 6	80 1	122		0	0	

Sample ID MBLK-G080408-1	SampType: MBLK			Units µg/Kg		Prep Date 4/8/2008			RunNo 106524	
Client ID: ZZZZZZ	Batch ID 43917			SW5035		Analysis Date 4/8/2008			SeqNo 1902241	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1 0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID MBLK-G080408-1	SampType MBLK			Units µg/Kg		Prep Date 4/8/2008		RunNo 106524		
Client ID. ZZZZZZ	Batch ID 43917			SW5035		Analysis Date: 4/8/2008		SeqNo. 1902241		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr 1,2-Dichloroethane-d4	48.5		50 00		97 1	61	128				
Surr: 4-Bromofluorobenzene	47.9		50 00		95.8	78 2	117				
Surr Dibromofluoromethane	50 4		50 00		100.9	66 6	130				
Surr Toluene-d8	49.2		50.00		98.3	80.1	122				

Sample ID: LCS-G080408-2	SampType LCS			Units: µg/Kg		Prep Date: 4/8/2008		RunNo 106557		
Client ID ZZZZZZ	Batch ID: 43936			SW5035		Analysis Date: 4/9/2008		SeqNo 1903051		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47 2	1.0	50 00	0	94 5	75	123				
Toluene	46.8	5.0	50 00	0	93.5	77 3	117				
Ethylbenzene	48.2	5.0	50.00	0	96 4	80.8	118				
Xylenes, Total	95.6	5.0	100.0	0	95 6	78.5	121				
Surr 1,2-Dichloroethane-d4	48.7		50 00		97.3	61	128				
Surr: 4-Bromofluorobenzene	49.7		50 00		99 4	78 2	117				
Surr: Dibromofluoromethane	49.5		50 00		98 9	66.6	130				
Surr: Toluene-d8	48.8		50.00		97 7	80.1	122				

Sample ID: LCSD-G080408-2	SampType: LCSD			Units: µg/Kg		Prep Date: 4/8/2008		RunNo 106557		
Client ID. ZZZZZZ	Batch ID: 43936			SW5035		Analysis Date 4/9/2008		SeqNo 1903052		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.2	1.0	50.00	0	98 4	75	123	47 24	4 02	20	
Toluene	48 0	5.0	50.00	0	95 9	77 3	117	46 77	2 53	20	
Ethylbenzene	49.2	5.0	50 00	0	98 5	80 8	118	48 22	2 09	20	
Xylenes, Total	98 5	5.0	100 0	0	98 5	78 5	121	95 64	2 96	20	
Surr 1,2-Dichloroethane-d4	47 8		50 00		95 6	61	128		0	0	
Surr. 4-Bromofluorobenzene	49.5		50.00		99 1	78 2	117		0	0	
Surr Dibromofluoromethane	49 8		50 00		99 5	66 6	130		0	0	
Surr: Toluene-d8	48 7		50.00		97 4	80 1	122		0	0	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185 **Report Date:** *09-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID. **MBLK-G080408-2**	SampType: **MBLK**			Units **µg/Kg**		Prep Date: **4/8/2008**		RunNo **106557**			
Client ID: **ZZZZZZ**	Batch ID: **43936**			**SW5035**		Analysis Date. **4/9/2008**		SeqNo. **1903054**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1 0									
Toluene	ND	5 0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5 0									
Surr: 1,2-Dichloroethane-d4	47 0		50.00		93 9	61	128				
Surr: 4-Bromofluorobenzene	48.8		50.00		97 6	78.2	117				
Surr: Dibromofluoromethane	49.2		50 00		98 5	66 6	130				
Surr: Toluene-d8	49.5		50 00		99 0	80 1	122				

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

RECEIVING CHECK LIST

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040185
Report Date: 09-Apr-08

Carrier: Derek Ingram

Received By: AMH

Completed by: Amanda M Harris
On: 03-Apr-08

Reviewed by: Marvin L Darling
On: 04-Apr-08

Pages to follow. Chain of custody [2] Extra pages included [0]

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 2 8
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑	
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0 1°C - 6 0°C, or when samples are received on ice the same day as collected				
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑	
Water - pH acceptable upon receipt?	Yes ☑	No ☐		

Any No responses must be detailed below or on the COC

Per Derek Ingram, combine any samples that have depths within three ft Round sample ID's to nearest whole foot AMH 4/3/08

Chain of Custody Record

210 West Sand Bank Road (618) 281-7173 Phone
P.O. Box 230 (800) 733-7173
Columbia, IL 62236-0230 (618) 281-5120 Fax

08040185

COC Serial No. B 08864

Project Name: Ameren IP Champaign **Project Mgr.:** Derek Ingram
Project Number: 62403053 **Cost Code:** 024501
Sampler(s): L. Hoosier
Laboratory Name: Teklab
Location: Collinsville IL

Laboratory Temperature upon Receipt: 2.8

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX 8260B	TPH 8270 SIMS	Metals *	Cyanide 9010 9014	PDD 2974-8	pH 9045C	Comments (Field PID)	Lab ID #'s
B-829 (2.5-3')	4-2	1338	X					4	X	X					Metals - arsenic,	001
B-829 (2'-3')	4-2	1338	X					1	X	X					chromium,	
B-829 (6'-6.5')	4-2	1404	X					4	X	X					lead	002
B-829 (6'-7')	4-2	1404	X					2	X	X	X	X				
B-829 (21.5-22')	4-2	1524	X					4	X	X					Cyanide - total	003
B-829 (21'-22')	4-2	1524	X					1	X	X					+ amenable	~~004~~
B-833 (2.5-3')	4-2	1620	X					4	X	X						004
B-833 (2'-3')	4-2	1620	X					1	X	X					per D. Ingram combined	
B-833 (9.5'-10')	4-2	1645	X					4	X	X					any depths within the	005
B-833 (9'-10')	4-2	1645	X					2	X	X	X	X			same 3ft. 4/3/08 AMH	
B-833 (10.5'-11.5')	4-2	1720	X					5	X	X					Label samples accordingly.	006
B-833 (25.5'-26')	4-2	1810	X					5	X	X						007

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT: ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: Derek Ingram
Send Invoice to:
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines.
Reporting Limits.
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Hallie Hoosier	4-3-08	1400
	4/3	1730

Received by:

Signature	Date	Time
	4/3	1400
	4/3/08	1730

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

PE-179 (6/03)

Shaded Areas to be Completed by Lab

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 08865

Project Name: Ameren IP Champaign Project Mgr.: Derek Ingram
Project Number: 62403053 Cost Code: 02450 1
Sampler(s): L. Hoosier
Laboratory Name: Teklab
Laboratory Location: Collinsville IL

Laboratory Temperature upon Receipt: 2.8

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	Analyses by Method Name and Number: BTEX 5035 8260B	PAH 8270SIM	Metals *	Cyanide	Foc D2974-87	PH 9045C	Comments (Field PID)	Lab ID #'s
31-32 B-833 (31'-31.5')	4-2	1830	X					4	X	X						008
B-833 (31'-32')	4-2	1830	X					1	X	X						
B-833 (10.5-11.5) DUP	4-2	1720	X					5	X	X						009

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT: ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: Derek Ingram
Send Invoice to:
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Leslie Hoosier	4/3/08	1400
[signature]	4/3	1730

Received by:

Signature	Date	Time
[signature]	4/3	08
[signature]	4/3/08	1730

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

April 10, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH nelac
NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign **WorkOrder:** 08040187

Dear Derek Ingram:

TEKLAB, INC received 5 samples on 4/3/2008 5:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

SAMPLE SUMMARY

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040187
Report Date: 10-Apr-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08040187-001	B-827 @ 2-3 ft	4	4/2/2008 10 14 00 AM
08040187-002	B-827 @ 7-8 ft	4	4/2/2008 10 42 00 AM
08040187-003	B-827 @ 12-13 ft	4	4/2/2008 11 22 00 AM
08040187-004	B-827 @ 12-13 ft DUP	4	4/2/2008 11 22 00 AM
08040187-005	B-827 @ 26-28 ft	4	4/2/2008 12.10 00 PM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
LabOrder: 08040187
Report Date: 10-Apr-08

CASE NARRATIVE

Cooler Receipt Temp: 2.8 °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Qualifiers		
DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	**#** - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040187
Lab ID: 08040187-001
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-827 @ 2-3 ft
Collection Date: 4/2/2008 10:14:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**22 3**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**77.7**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 04 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0.010**	mg/Kg-dry	1	4/7/2008 4 04 00 PM	TDN
Anthracene	NELAP	0 004		**0 009**	mg/Kg-dry	1	4/7/2008 4 04 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0 033**	mg/Kg-dry	1	4/7/2008 4 04 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0 026**	mg/Kg-dry	1	4/7/2008 4 04 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.026**	mg/Kg-dry	1	4/7/2008 4 04 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.016**	mg/Kg-dry	1	4/7/2008 4 04 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.028**	mg/Kg-dry	1	4/7/2008 4 04 00 PM	TDN
Chrysene	NELAP	0 004		**0.034**	mg/Kg-dry	1	4/7/2008 4 04 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0.007**	mg/Kg-dry	1	4/7/2008 4 04 00 PM	TDN
Fluoranthene	NELAP	0 004		**0.054**	mg/Kg-dry	1	4/7/2008 4 04 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 04 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.016**	mg/Kg-dry	1	4/7/2008 4 04 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 04 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.035**	mg/Kg-dry	1	4/7/2008 4 04 00 PM	TDN
Pyrene	NELAP	0 004		**0.049**	mg/Kg-dry	1	4/7/2008 4 04 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**52.3**	%REC	1	4/7/2008 4 04 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**58.1**	%REC	1	4/7/2008 4 04 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**70.7**	%REC	1	4/7/2008 4 04 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 6		**ND**	µg/Kg-dry	1	4/9/2008 3 47 00 AM	JSA
Ethylbenzene	NELAP	8 0		**ND**	µg/Kg-dry	1	4/9/2008 3 47 00 AM	JSA
Toluene	NELAP	8 0		**ND**	µg/Kg-dry	1	4/9/2008 3 47 00 AM	JSA
Xylenes, Total	NELAP	8 0		**ND**	µg/Kg-dry	1	4/9/2008 3 47 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**102.2**	%REC	1	4/9/2008 3 47 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**98.5**	%REC	1	4/9/2008 3 47 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**100**	%REC	1	4/9/2008 3 47 00 AM	JSA
Surr Toluene-d8		80 1-122		**97.6**	%REC	1	4/9/2008 3 47 00 AM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040187
Lab ID: 08040187-002
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-827 @ 7-8 ft
Collection Date: 4/2/2008 10:42:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**19.4**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**80.6**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.008		**0.031**	mg/Kg-dry	2	4/8/2008 8:22:00 AM	TDN
Acenaphthylene	NELAP	0.008		**0.072**	mg/Kg-dry	2	4/8/2008 8:22:00 AM	TDN
Anthracene	NELAP	0.008		**0.016**	mg/Kg-dry	2	4/8/2008 8:22:00 AM	TDN
Benzo(a)anthracene	NELAP	0.008		**0.019**	mg/Kg-dry	2	4/8/2008 8:22:00 AM	TDN
Benzo(a)pyrene	NELAP	0.008		**0.059**	mg/Kg-dry	2	4/8/2008 8:22:00 AM	TDN
Benzo(b)fluoranthene	NELAP	0.008		**0.082**	mg/Kg-dry	2	4/8/2008 8:22:00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0.008		**0.053**	mg/Kg-dry	2	4/8/2008 8:22:00 AM	TDN
Benzo(k)fluoranthene	NELAP	0.008		**0.019**	mg/Kg-dry	2	4/8/2008 8:22:00 AM	TDN
Chrysene	NELAP	0.008		**0.018**	mg/Kg-dry	2	4/8/2008 8:22:00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0.008		**0.015**	mg/Kg-dry	2	4/8/2008 8:22:00 AM	TDN
Fluoranthene	NELAP	0.008		**0.019**	mg/Kg-dry	2	4/8/2008 8:22:00 AM	TDN
Fluorene	NELAP	0.008		**0.043**	mg/Kg-dry	2	4/8/2008 8:22:00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.008		**0.047**	mg/Kg-dry	2	4/8/2008 8:22:00 AM	TDN
Naphthalene	NELAP	0.008		**ND**	mg/Kg-dry	2	4/8/2008 8:22:00 AM	TDN
Phenanthrene	NELAP	0.008	J	**0.008**	mg/Kg-dry	2	4/8/2008 8:22:00 AM	TDN
Pyrene	NELAP	0.008		**0.099**	mg/Kg-dry	2	4/8/2008 8:22:00 AM	TDN
Surr: 2-Fluorobiphenyl		10-131		**57.1**	%REC	2	4/8/2008 8:22:00 AM	TDN
Surr: Nitrobenzene-d5		10-132		**65.1**	%REC	2	4/8/2008 8:22:00 AM	TDN
Surr: p-Terphenyl-d14		30.6-131		**65.9**	%REC	2	4/8/2008 8:22:00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	22.7		**ND**	µg/Kg-dry	12.5	4/9/2008 4:48:00 AM	JSA
Ethylbenzene	NELAP	113		**ND**	µg/Kg-dry	12.5	4/9/2008 4:48:00 AM	JSA
Toluene	NELAP	113		**ND**	µg/Kg-dry	12.5	4/9/2008 4:48:00 AM	JSA
Xylenes, Total	NELAP	113		**ND**	µg/Kg-dry	12.5	4/9/2008 4:48:00 AM	JSA
Surr: 1,2-Dichloroethane-d4		61-128	S	**138.9**	%REC	12.5	4/9/2008 4:48:00 AM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		**107.5**	%REC	12.5	4/9/2008 4:48:00 AM	JSA
Surr: Dibromofluoromethane		66.6-130	S	**172.9**	%REC	12.5	4/9/2008 4:48:00 AM	JSA
Surr: Toluene-d8		80.1-122		**110.3**	%REC	12.5	4/9/2008 4:48:00 AM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2
Elevated reporting limit due to high levels of target and/or non-target analytes
SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Surrogate recovery was outside QC limits due to matrix interference

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040187
Lab ID: 08040187-002
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-827 @ 7-8 ft
Collection Date: 4/2/2008 10:42:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040187
Lab ID: 08040187-003
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-827 @ 12-13 ft
Collection Date: 4/2/2008 11:22:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**16.8**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**83.2**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 008		**0.184**	mg/Kg-dry	2	4/7/2008 7 54 00 PM	TDN
Acenaphthylene	NELAP	0 008		**0.354**	mg/Kg-dry	2	4/7/2008 7 54 00 PM	TDN
Anthracene	NELAP	0 008		**0.056**	mg/Kg-dry	2	4/7/2008 7 54 00 PM	TDN
Benzo(a)anthracene	NELAP	0 008		**0 131**	mg/Kg-dry	2	4/7/2008 7 54 00 PM	TDN
Benzo(a)pyrene	NELAP	0 008		**0.074**	mg/Kg-dry	2	4/7/2008 7 54 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 008		**0.076**	mg/Kg-dry	2	4/7/2008 7 54 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 008		**0.038**	mg/Kg-dry	2	4/7/2008 7 54 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 008		**0.028**	mg/Kg-dry	2	4/7/2008 7 54 00 PM	TDN
Chrysene	NELAP	0 008		**0 131**	mg/Kg-dry	2	4/7/2008 7 54 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 008		**0 010**	mg/Kg-dry	2	4/7/2008 7 54 00 PM	TDN
Fluoranthene	NELAP	0 008		**0 402**	mg/Kg-dry	2	4/7/2008 7 54 00 PM	TDN
Fluorene	NELAP	0 008		**0.366**	mg/Kg-dry	2	4/7/2008 7 54 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 008		**0.031**	mg/Kg-dry	2	4/7/2008 7 54 00 PM	TDN
Naphthalene	NELAP	0 008		**0.009**	mg/Kg-dry	2	4/7/2008 7 54 00 PM	TDN
Phenanthrene	NELAP	0 008		**0.023**	mg/Kg-dry	2	4/7/2008 7 54 00 PM	TDN
Pyrene	NELAP	0 008		**0.553**	mg/Kg-dry	2	4/7/2008 7 54 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**61 5**	%REC	2	4/7/2008 7 54 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**51 9**	%REC	2	4/7/2008 7 54 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**69.5**	%REC	2	4/7/2008 7 54 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**4.8**	µg/Kg-dry	1	4/9/2008 5 18 00 AM	JSA
Ethylbenzene	NELAP	4 2		**7 3**	µg/Kg-dry	1	4/9/2008 5 18 00 AM	JSA
Toluene	NELAP	4 2		**8 4**	µg/Kg-dry	1	4/9/2008 5 18 00 AM	JSA
Xylenes, Total	NELAP	4 2		**14.4**	µg/Kg-dry	1	4/9/2008 5 18 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**99.9**	%REC	1	4/9/2008 5 18 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**96.6**	%REC	1	4/9/2008 5 18 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**100.8**	%REC	1	4/9/2008 5 18 00 AM	JSA
Surr Toluene-d8		80 1-122		**99.5**	%REC	1	4/9/2008 5 18 00 AM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040187
Lab ID: 08040187-004
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-827 @ 12-13 ft DUP
Collection Date: 4/2/2008 11:22:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**13.6**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**86.4**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 039		**0.775**	mg/Kg-dry	10	4/8/2008 8 57 00 AM	TDN
Acenaphthylene	NELAP	0 039		**2.54**	mg/Kg-dry	10	4/8/2008 8 57 00 AM	TDN
Anthracene	NELAP	0 039		**0.681**	mg/Kg-dry	10	4/8/2008 8 57 00 AM	TDN
Benzo(a)anthracene	NELAP	0 039		**1.81**	mg/Kg-dry	10	4/8/2008 8 57 00 AM	TDN
Benzo(a)pyrene	NELAP	0 039		**1.51**	mg/Kg-dry	10	4/8/2008 8 57 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 039		**1.55**	mg/Kg-dry	10	4/8/2008 8 57 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 039		**0.598**	mg/Kg-dry	10	4/8/2008 8 57 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 039		**0.540**	mg/Kg-dry	10	4/8/2008 8 57 00 AM	TDN
Chrysene	NELAP	0 039		**1.74**	mg/Kg-dry	10	4/8/2008 8 57 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 039		**0.187**	mg/Kg-dry	10	4/8/2008 8 57 00 AM	TDN
Fluoranthene	NELAP	0 039		**3.41**	mg/Kg-dry	10	4/8/2008 8 57 00 AM	TDN
Fluorene	NELAP	0 039		**2.55**	mg/Kg-dry	10	4/8/2008 8 57 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 039		**0.553**	mg/Kg-dry	10	4/8/2008 8 57 00 AM	TDN
Naphthalene	NELAP	0 039		**0.051**	mg/Kg-dry	10	4/8/2008 8 57 00 AM	TDN
Phenanthrene	NELAP	0 039		**1.77**	mg/Kg-dry	10	4/8/2008 8 57 00 AM	TDN
Pyrene	NELAP	0 039		**4.90**	mg/Kg-dry	10	4/8/2008 8 57 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**43.9**	%REC	10	4/8/2008 8 57 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**43 9**	%REC	10	4/8/2008 8 57 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**61 9**	%REC	10	4/8/2008 8 57 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 3		**4.2**	µg/Kg-dry	1	4/9/2008 2 38 00 PM	JSA
Ethylbenzene	NELAP	6 4		**6.5**	µg/Kg-dry	1	4/9/2008 2 38 00 PM	JSA
Toluene	NELAP	6 4		**9.7**	µg/Kg-dry	1	4/9/2008 2 38 00 PM	JSA
Xylenes, Total	NELAP	6 4		**14.4**	µg/Kg-dry	1	4/9/2008 2 38 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**99.2**	%REC	1	4/9/2008 2 38 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**97.0**	%REC	1	4/9/2008 2 38 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**100.2**	%REC	1	4/9/2008 2 38 00 PM	JSA
Surr Toluene-d8		80 1-122		**98.7**	%REC	1	4/9/2008 2 38 00 PM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040187
Lab ID: 08040187-005
Report Date: 10-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-827 @ 26-28 ft
Collection Date: 4/2/2008 12:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**18.4**	%	1	4/4/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**81.6**	%	1	4/4/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 041		**0.547**	mg/Kg-dry	10	4/7/2008 5 25 00 PM	TDN
Acenaphthylene	NELAP	0 041		**2.21**	mg/Kg-dry	10	4/7/2008 5 25 00 PM	TDN
Anthracene	NELAP	0 041		**0.303**	mg/Kg-dry	10	4/7/2008 5 25 00 PM	TDN
Benzo(a)anthracene	NELAP	0 041		**0.971**	mg/Kg-dry	10	4/7/2008 5 25 00 PM	TDN
Benzo(a)pyrene	NELAP	0 041		**0.776**	mg/Kg-dry	10	4/7/2008 5 25 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 041		**0.509**	mg/Kg-dry	10	4/7/2008 5 25 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 041		**0.358**	mg/Kg-dry	10	4/7/2008 5 25 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 041		**0.519**	mg/Kg-dry	10	4/7/2008 5 25 00 PM	TDN
Chrysene	NELAP	0 041		**0.896**	mg/Kg-dry	10	4/7/2008 5 25 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 041		**0.108**	mg/Kg-dry	10	4/7/2008 5 25 00 PM	TDN
Fluoranthene	NELAP	0 041		**1.69**	mg/Kg-dry	10	4/7/2008 5 25 00 PM	TDN
Fluorene	NELAP	0 041		**1.21**	mg/Kg-dry	10	4/7/2008 5 25 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 041		**0.317**	mg/Kg-dry	10	4/7/2008 5 25 00 PM	TDN
Naphthalene	NELAP	0 041		**ND**	mg/Kg-dry	10	4/7/2008 5 25 00 PM	TDN
Phenanthrene	NELAP	0 041		**1.18**	mg/Kg-dry	10	4/7/2008 5 25 00 PM	TDN
Pyrene	NELAP	0 041		**2.39**	mg/Kg-dry	10	4/7/2008 5 25 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**67.9**	%REC	10	4/7/2008 5 25 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**55.9**	%REC	10	4/7/2008 5 25 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**75.8**	%REC	10	4/7/2008 5 25 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 0		**6.5**	µg/Kg-dry	1	4/9/2008 6 18 00 AM	JSA
Ethylbenzene	NELAP	5 0		**20.9**	µg/Kg-dry	1	4/9/2008 6 18 00 AM	JSA
Toluene	NELAP	5 0		**8.2**	µg/Kg-dry	1	4/9/2008 6 18 00 AM	JSA
Xylenes, Total	NELAP	5 0		**21.2**	µg/Kg-dry	1	4/9/2008 6 18 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**75.8**	%REC	1	4/9/2008 6 18 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**108.8**	%REC	1	4/9/2008 6 18 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**80.3**	%REC	1	4/9/2008 6 18 00 AM	JSA
Surr Toluene-d8		80 1-122		**109.2**	%REC	1	4/9/2008 6 18 00 AM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040187
Report Date: 10-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040187-001A	B-827 @ 2-3 ft	4/2/2008	Solid	ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/6/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040187-001D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/9/2008
08040187-002A	B-827 @ 7-8 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/6/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040187-002D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/9/2008
08040187-003A	B-827 @ 12-13 ft			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/6/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040187-003D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/9/2008
08040187-004A	B-827 @ 12-13 ft DUP			ASTM D2974		4/4/2008
				Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/6/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040187-004D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/9/2008
				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008
040187-005A	B-827 @ 26-28 ft			ASTM D2974		4/4/2008

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040187
Report Date: 10-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040187-005A	B-827 @ 26-28 ft	4/2/2008	Solid	Standard Methods 18th Ed 2540 G		4/4/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/4/2008	4/6/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040187-005D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/8/2008	4/9/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040187 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TS_M_MT

Sample ID	LCS-R106413	SampType	LCS			Units	%		Prep Date			RunNo	106413	
Client ID	ZZZZZZ	Batch ID	R106413						Analysis Date	4/4/2008		SeqNo	1899672	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Total Solids		1 0	0 1	1 000	0	100	90	110						

Sample ID	LCSQC	SampType	LCSQC			Units	%		Prep Date			RunNo	106413	
Client ID	ZZZZZZ	Batch ID	R106413						Analysis Date	4/4/2008		SeqNo	1899673	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Total Solids		1 0	0 1	1 000	0	100	90	110						

Sample ID	08040187-001ADUP	SampType	DUP			Units	%		Prep Date			RunNo	106413	
Client ID	B-827 @ 2-3 ftDUP	Batch ID	R106413						Analysis Date	4/4/2008		SeqNo	1899706	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Total Solids		77 6	0 1						77 66	0 0386	15			

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040187 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID **MB-43881**	SampType **MBLK**			Units **mg/Kg**		Prep Date **4/7/2008**		RunNo **106478**		
Client ID **ZZZZZZ**	Batch ID **43881**			**SW3550B**		Analysis Date **4/7/2008**		SeqNo **1901585**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 003									
Acenaphthylene	ND	0 003									
Anthracene	ND	0 003									
Benzo(a)anthracene	ND	0 003									
Benzo(a)pyrene	ND	0 003									
Benzo(b)fluoranthene	ND	0 003									
Benzo(g,h,i)perylene	ND	0 003									
Benzo(k)fluoranthene	ND	0 003									
Chrysene	ND	0 003									
Dibenzo(a,h)anthracene	ND	0 003									
Fluoranthene	ND	0 003									
Fluorene	ND	0 003									
Indeno(1,2,3-cd)pyrene	ND	0 003									
Naphthalene	ND	0 003									
Phenanthrene	ND	0 003									
Pyrene	ND	0 003									
Surr 2-Fluorobiphenyl	0 123		0 1670		73 9	17 5	123				
Surr Nitrobenzene-d5	0 114		0 1670		68 1	35	105				
Surr p-Terphenyl-d14	0 124		0 1670		74 5	53 6	122				

Sample ID **LCS-43881**	SampType **LCS**			Units **mg/Kg**		Prep Date **4/7/2008**		RunNo **106478**		
Client ID **ZZZZZZ**	Batch ID **43881**			**SW3550B**		Analysis Date **4/7/2008**		SeqNo **1901586**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 110	0 003	0 1670	0	66 1	56 3	115				
Acenaphthylene	0 134	0 003	0 1670	0	80 5	60 3	143				
Anthracene	0 106	0 003	0 1670	0	63 2	52 1	109				
Benzo(a)anthracene	0 109	0 003	0 1670	0	65 0	52 8	112				
Benzo(a)pyrene	0 111	0 003	0 1670	0	66 6	40 8	127				
Benzo(b)fluoranthene	0 126	0 003	0 1670	0	75 3	50 1	150				
Benzo(g,h,i)perylene	0 123	0 003	0 1670	0	73 6	52 8	145				

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID **LCS-43881**	SampType **LCS**			Units **mg/Kg**		Prep Date **4/7/2008**		RunNo **106478**			
Client ID **ZZZZZZ**	Batch ID **43881**			**SW3550B**		Analysis Date **4/7/2008**		SeqNo **1901586**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0 128	0 003	0 1670	0	76 9	52	153				
Chrysene	0 120	0 003	0 1670	0	71 6	60 8	128				
Dibenzo(a,h)anthracene	0 122	0 003	0 1670	0	73 1	54 9	150				
Fluoranthene	0 114	0 003	0 1670	0	68 4	58 7	125				
Fluorene	0 116	0 003	0 1670	0	69 6	57 8	125				
Indeno(1,2,3-cd)pyrene	0 120	0 003	0 1670	0	71 9	52	147				
Naphthalene	0 091	0 003	0 1670	0	54 7	54 8	113				S
Phenanthrene	0 115	0 003	0 1670	0	68 8	60 4	121				
Pyrene	0 117	0 003	0 1670	0	70 2	57 9	129				
Surr 2-Fluorobiphenyl	0 115		0 1670		69 1	35 3	113				
Surr Nitrobenzene-d5	0 106		0 1670		63 7	33 9	108				
Surr p-Terphenyl-d14	0 118		0 1670		70 7	58 4	122				

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040187 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID	LCS-G080408-2	SampType	LCS	Units	µg/Kg	Prep Date	4/8/2008	RunNo	106557
Client ID	ZZZZZZ	Batch ID	43936		SW5035	Analysis Date	4/9/2008	SeqNo	1903051

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47 2	1 0	50 00	0	94 5	75	123				
Toluene	46 8	5 0	50 00	0	93 5	77 3	117				
Ethylbenzene	48 2	5 0	50 00	0	96 4	80 8	118				
Xylenes, Total	95 6	5 0	100 0	0	95 6	78 5	121				
Surr 1,2-Dichloroethane-d4	48 7		50 00		97 3	61	128				
Surr 4-Bromofluorobenzene	49 7		50 00		99 4	78 2	117				
Surr Dibromofluoromethane	49 5		50 00		98 9	66 6	130				
Surr Toluene-d8	48 8		50 00		97 7	80 1	122				

Sample ID	LCSD-G080408-2	SampType	LCSD	Units	µg/Kg	Prep Date	4/8/2008	RunNo	106557
Client ID	ZZZZZZ	Batch ID	43936		SW5035	Analysis Date	4/9/2008	SeqNo	1903052

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49 2	1 0	50 00	0	98 4	75	123	47 24	4 02	20	
Toluene	48 0	5 0	50 00	0	95 9	77 3	117	46 77	2 53	20	
Ethylbenzene	49 2	5 0	50 00	0	98 5	80 8	118	48 22	2 09	20	
Xylenes, Total	98 5	5 0	100 0	0	98 5	78 5	121	95 64	2 96	20	
Surr 1,2-Dichloroethane-d4	47 8		50 00		95 6	61	128		0	0	
Surr 4-Bromofluorobenzene	49 5		50 00		99 1	78 2	117		0	0	
Surr Dibromofluoromethane	49 8		50 00		99 5	66 6	130		0	0	
Surr Toluene-d8	48 7		50 00		97 4	80 1	122		0	0	

Sample ID	MBLK-G080408-2	SampType	MBLK	Units	µg/Kg	Prep Date	4/8/2008	RunNo	106557
Client ID	ZZZZZZ	Batch ID	43936		SW5035	Analysis Date	4/9/2008	SeqNo	1903054

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1 0									
Toluene	ND	5 0									
Ethylbenzene	ND	5 0									
Xylenes, Total	ND	5 0									

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040187 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID	MBLK-G080408-2	SampType	MBLK	Units	µg/Kg	Prep Date	4/8/2008	RunNo	106557
Client ID	ZZZZZZ	Batch ID	43936		SW5035	Analysis Date	4/9/2008	SeqNo	1903054

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr 1,2-Dichloroethane-d4	47 0		50 00		93 9	61	128				
Surr 4-Bromofluorobenzene	48 8		50 00		97 6	78 2	117				
Surr Dibromofluoromethane	49 2		50 00		98 5	66 6	130				
Surr Toluene-d8	49 5		50 00		99 0	80 1	122				

Sample ID	LCS-G080409-1	SampType	LCS	Units	µg/Kg	Prep Date	4/9/2008	RunNo	106598
Client ID	ZZZZZZ	Batch ID	43954		SW5035	Analysis Date	4/9/2008	SeqNo	1903869

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48 5	1 0	50 00	0	97 0	75	123				
Toluene	48 3	5 0	50 00	0	96 7	77 3	117				
Ethylbenzene	50 7	5 0	50 00	0	101 4	80 8	118				
Xylenes, Total	101	5 0	100 0	0	100 9	78 5	121				
Surr 1,2-Dichloroethane-d4	46 7		50 00		93 3	61	128				
Surr 4-Bromofluorobenzene	49 4		50 00		98 8	78 2	117				
Surr Dibromofluoromethane	48 8		50 00		97 6	66 6	130				
Surr Toluene-d8	49 4		50 00		98 9	80 1	122				

Sample ID	LCSD-G080409-1	SampType	LCSD	Units	µg/Kg	Prep Date	4/9/2008	RunNo	106598
Client ID	ZZZZZZ	Batch ID	43954		SW5035	Analysis Date	4/9/2008	SeqNo	1903870

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	52 0	1 0	50 00	0	103 9	75	123	48 50	6 91	20	
Toluene	51 7	5 0	50 00	0	103 4	77 3	117	48 33	6 74	20	
Ethylbenzene	53 6	5 0	50 00	0	107 2	80 8	118	50 72	5 48	20	
Xylenes, Total	107	5 0	100 0	0	106 7	78 5	121	100 9	5 65	20	
Surr 1,2-Dichloroethane-d4	48 2		50 00		96 5	61	128		0	0	
Surr 4-Bromofluorobenzene	49 3		50 00		98 6	78 2	117		0	0	
Surr Dibromofluoromethane	49 5		50 00		99 0	66 6	130		0	0	
Surr Toluene-d8	48 6		50 00		97 2	80 1	122		0	0	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040187 **Report Date:** *10-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID	MBLK-G080409-1	SampType	MBLK			Units	µg/Kg		Prep Date	4/9/2008		RunNo	106598	
Client ID	ZZZZZZ	Batch ID	43954				SW5035		Analysis Date	4/9/2008		SeqNo	1903871	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene		ND	1 0											
Toluene		ND	5 0											
Ethylbenzene		ND	5 0											
Xylenes, Total		ND	5 0											
Surr	1,2-Dichloroethane-d4	46 9		50 00		93 9	61	128						
Surr	4-Bromofluorobenzene	48 7		50 00		97 4	78 2	117						
Surr	Dibromofluoromethane	47 9		50 00		95 8	66 6	130						
Surr	Toluene-d8	49 0		50 00		98 1	80 1	122						

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

RECEIVING CHECK LIST

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
Lab Order: 08040187
Report Date: 10-Apr-08

Carrier: Derek Ingram

Received By: AMH

Completed by: A. Harris
On: 03-Apr-08
Amanda M Harris

Reviewed by: Marvin L. Darling II
On: 04-Apr-08
Marvin L Darling

Pages to follow | Chain of custody: 1 | Extra pages included: 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	2 8		
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑				
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑				
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐			
Chain of custody present?	Yes ☑	No ☐					
Chain of custody signed when relinquished and received?	Yes ☑	No ☐					
Chain of custody agrees with sample labels?	Yes ☑	No ☐					
Samples in proper container/bottle?	Yes ☑	No ☐					
Sample containers intact?	Yes ☑	No ☐					
Sufficient sample volume for indicated test?	Yes ☑	No ☐					
All samples received within holding time?	Yes ☑	No ☐					
Reported field parameters measured	Field ☐	Lab ☐	NA ☑				
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐					
When thermal preservation is required, samples are compliant with a temperature between 0 1°C - 6 0°C, or when samples are received on ice the same day as collected							
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑				
Water - pH acceptable upon receipt?	Yes ☑	No ☐					

Any No responses must be detailed below or on the COC

Per Derek Ingram, combine any samples that have depths within three ft Round sample ID's to nearest whole foot AMH 4/3/08

Chain of Custody Rec J

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230
(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

08040187

COC Serial No. B 08863

Project Name: Ameren IP Champaign **Project Mgr.:** Derek Ingram
Project Number: 62403053 **Cost Code:** 024501
Sampler(s): L. Hoosier
Laboratory Name: Teklab
Location: Collinsville IL

Laboratory Temperature upon Receipt: 2.8

Analyses by Method Name and Number

	Sample Number and (depth)	Date	Time	Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX 5035 8260B	PAH 8270 SIMS	Metals *	Cyanide 9010 9014	foc D2974-87	pH 9045C					Comments (Field PID)	Lab ID #'s
2-3	B-827 (2.5'-3')	4-2	1014	X					4	X	X									*Metals-arsenic	001
	B-827 (2.0-3.0')	4-2	1014	X					1	X	X									Chromium, lead	
7-8	B-827 (7.5'-8.0')	4-2	1042	X					4	X	X										002
	B-827 (7'-8')	4-2	1042	X					1	X	X									Cyanide - total	
12-13	B-827 (12'-12.5')	4-2	1122	X					4	X	X									and amenable	003
	B-827 (12'-13')	4-2	1122	X					1	X	X										
	B-827 (12'-13') DUP	4-2	1122	X					5	X	X										004
26-28	B-827 (26'-26.5')	4-2	1210	X					4	X	X									Per D. Ingram combined	005
	B-827 (26.5-27.5)	4-2	1210	X					1	X	X									any depths within the same	
																				3 ft. AMH 4/3/08 Label samples to nearest whole ft.	

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to Derek Ingram
Send Invoice to:
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Leslie Hoosier	4-3-08	1400
Derek Ing	4/3	1730

Received by:

Signature	Date	Time
Derek Ing	4/3	1400
A. Hoosier	4/3/08	1730

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

April 11, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH nelac

NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign 62403053 **WorkOrder:** 08040238

Dear Derek Ingram:

TEKLAB, INC received 36 samples on 4/4/2008 5:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A. White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

Client: Philip Environmental

SAMPLE SUMMARY

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238
Report Date: 11-Apr-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08040238-001	B-824 (1-3 ft)	5	4/4/2008 9 37 00 AM
08040238-002	B-824 (9-10 ft)	5	4/4/2008 10 16 00 AM
08040238-003	B-824 (23-24 ft)	5	4/4/2008 10 53 00 AM
08040238-004	B-821 (9-10 ft)	4	4/4/2008 11 45 00 AM
08040238-005	B-821 (0 5-3 ft)	4	4/4/2008 11 22 00 AM
08040238-006	B-821 (19-20 ft)	4	4/4/2008 12 42 00 PM
08040238-007	B-835 (28-29 ft)	5	4/3/2008 9 15 00 AM
08040238-008	B-825 (2-3 ft)	4	4/3/2008 10 43 00 AM
08040238-009	B-825 (8-9 ft)	4	4/3/2008 11 11 00 AM
08040238-010	B-825 (18-19 ft)	4	4/3/2008 11 33 00 AM
08040238-011	B-825 (25-26 ft)	1	4/3/2008 11 51 00 AM
08040238-012	B-826 (2-3 ft)	4	4/3/2008 1.11 00 PM
08040238-013	B-826 (8-9 ft)	4	4/3/2008 1:30 00 PM
08040238-014	B-826 (16-17 ft)	4	4/3/2008 1 52 00 PM
08040238-015	B-828 (2-3 ft)	4	4/3/2008 2.53 00 PM
08040238-016	B-828-DUP (2-3 ft)	4	4/3/2008 2 53 00 PM
08040238-017	B-828 (9-10 ft)	4	4/3/2008 3 19 00 PM
08040238-018	B-828 (12-13 ft)	4	4/3/2008 3 41 00 PM
08040238-019	B-828 (17-18 ft)	4	4/3/2008 4.00 00 PM
08040238-020	B-830 (2-3 ft)	4	4/3/2008 11 59 00 AM
08040238-021	B-830 (8-9 ft)	4	4/3/2008 12 21 00 PM
08040238-022	B-830 (28-30 ft)	5	4/3/2008 2 53 00 PM
08040238-023	B-831 (1-3 ft)	5	4/3/2008 3 49 00 PM
08040238-024	B-831 (9-10 ft)	5	4/3/2008 4 19 00 PM
08040238-025	B-831 (10.5-12 ft)	4	4/3/2008 4 55 00 PM
08040238-026	B-831 (18-20 ft)	4	4/3/2008 5 17 00 PM
08040238-027	B-832 (2-3 ft)	4	4/4/2008 8 53 00 AM
08040238-028	B-832 (7-8 ft)	4	4/4/2008 9 09 00 AM
08040238-029	B-832 (20-21 ft)	4	4/4/2008 9 40 00 AM
08040238-030	B-838 (1-2 ft)	4	4/4/2008 11 20 00 AM
08040238-031	B-838 (9-10 ft)	4	4/4/2008 11 31 00 AM
08040238-032	B-838 (15-16 ft)	4	4/4/2008 12 16 00 PM
08040238-033	B-838 (29-30 ft)	4	4/4/2008 12 52.00 PM

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5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

Client: Philip Environmental

SAMPLE SUMMARY

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238
Report Date: 11-Apr-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08040238-034	B-820 (8 5-9.5 ft)	4	4/4/2008 1 41 00 PM
08040238-035	B-820 (1-2 ft)	4	4/4/2008 2 41 00 PM
08040238-036	B-820 (25-26 ft)	4	4/4/2008 2 53 00 PM

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Client: Philip Environmental

CASE NARRATIVE

Project: A831-735002-012901-225/IP Champaign 62403053

LabOrder: 08040238

Report Date: 11-Apr-08

Cooler Receipt Temp: 2.6 °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	# - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

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TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-001
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-824 (1-3 ft)
Collection Date: 4/4/2008 9:37:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**20.2**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**79.8**	%	1	4/7/2008	HMH
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 36		**6.31**	mg/Kg-dry	1	4/9/2008 9 55 50 AM	LAL
Chromium	NELAP	0 94		**18.6**	mg/Kg-dry	1	4/9/2008 9 55 50 AM	LAL
Lead	NELAP	3 77		**131**	mg/Kg-dry	1	4/9/2008 9 55 50 AM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 042		**ND**	mg/Kg-dry	10	4/7/2008 5 52 00 PM	TDN
Acenaphthylene	NELAP	0 042		**0.115**	mg/Kg-dry	10	4/7/2008 5 52 00 PM	TDN
Anthracene	NELAP	0 042	J	**0.041**	mg/Kg-dry	10	4/7/2008 5 52 00 PM	TDN
Benzo(a)anthracene	NELAP	0 042		**0.208**	mg/Kg-dry	10	4/7/2008 5 52 00 PM	TDN
Benzo(a)pyrene	NELAP	0 042		**0 199**	mg/Kg-dry	10	4/7/2008 5 52 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 042		**0.193**	mg/Kg-dry	10	4/7/2008 5 52 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 042		**0 141**	mg/Kg-dry	10	4/7/2008 5 52 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 042		**0 204**	mg/Kg-dry	10	4/7/2008 5 52 00 PM	TDN
Chrysene	NELAP	0 042		**0.218**	mg/Kg-dry	10	4/7/2008 5 52 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 042		**0 049**	mg/Kg-dry	10	4/7/2008 5 52 00 PM	TDN
Fluoranthene	NELAP	0 042		**0.314**	mg/Kg-dry	10	4/7/2008 5 52 00 PM	TDN
Fluorene	NELAP	0 042		**ND**	mg/Kg-dry	10	4/7/2008 5 52 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 042		**0.132**	mg/Kg-dry	10	4/7/2008 5 52 00 PM	TDN
Naphthalene	NELAP	0 042		**ND**	mg/Kg-dry	10	4/7/2008 5 52 00 PM	TDN
Phenanthrene	NELAP	0 042		**0.116**	mg/Kg-dry	10	4/7/2008 5 52 00 PM	TDN
Pyrene	NELAP	0 042		**0.303**	mg/Kg-dry	10	4/7/2008 5 52 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**59 9**	%REC	10	4/7/2008 5 52 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**51 9**	%REC	10	4/7/2008 5 52 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**69 9**	%REC	10	4/7/2008 5 52 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 1		**ND**	µg/Kg-dry	1	4/9/2008 6 10 00 PM	JSA
Ethylbenzene	NELAP	5 5		**ND**	µg/Kg-dry	1	4/9/2008 6 10 00 PM	JSA
Toluene	NELAP	5 5		**ND**	µg/Kg-dry	1	4/9/2008 6 10 00 PM	JSA
Xylenes, Total	NELAP	5 5	J	**1.3**	µg/Kg-dry	1	4/9/2008 6 10 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**102.9**	%REC	1	4/9/2008 6 10 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**91.6**	%REC	1	4/9/2008 6 10 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**95.7**	%REC	1	4/9/2008 6 10 00 PM	JSA
Surr Toluene-d8		80 1-122		**98 2**	%REC	1	4/9/2008 6 10 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 61		**< 0 61**	mg/Kg-dry	1	4/8/2008	AET

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-001
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-824 (1-3 ft)
Collection Date: 4/4/2008 9:37 00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 61		**< 0 61**	mg/Kg-dry	1	4/8/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

Elevated reporting limit due to high levels of target and/or non-target analytes

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FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-002
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-824 (9-10 ft)
Collection Date: 4/4/2008 10 16:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**13.3**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**86.7**	%	1	4/7/2008	HMH
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**7.98**	mg/Kg-dry	1	4/9/2008 10 02 37 AM	LAL
Chromium	NELAP	1 00		**16.0**	mg/Kg-dry	1	4/9/2008 10 02 37 AM	LAL
Lead	NELAP	4 00		**11.4**	mg/Kg-dry	1	4/9/2008 10 02 37 AM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 020		**0 148**	mg/Kg-dry	5	4/7/2008 6 18 00 PM	TDN
Acenaphthylene	NELAP	0 020		**0 515**	mg/Kg-dry	5	4/7/2008 6 18 00 PM	TDN
Anthracene	NELAP	0 020		**0 639**	mg/Kg-dry	5	4/7/2008 6 18 00 PM	TDN
Benzo(a)anthracene	NELAP	0 020		**0.585**	mg/Kg-dry	5	4/7/2008 6 18 00 PM	TDN
Benzo(a)pyrene	NELAP	0 020		**0.673**	mg/Kg-dry	5	4/7/2008 6 18 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 020		**0 301**	mg/Kg-dry	5	4/7/2008 6 18 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 020		**0.308**	mg/Kg-dry	5	4/7/2008 6 18 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 020		**0 375**	mg/Kg-dry	5	4/7/2008 6 18 00 PM	TDN
Chrysene	NELAP	0 020		**0.550**	mg/Kg-dry	5	4/7/2008 6 18 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 020		**0 076**	mg/Kg-dry	5	4/7/2008 6 18 00 PM	TDN
Fluoranthene	NELAP	0 020		**1.01**	mg/Kg-dry	5	4/7/2008 6 18 00 PM	TDN
Fluorene	NELAP	0 020		**0.666**	mg/Kg-dry	5	4/7/2008 6 18 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 020		**0.240**	mg/Kg-dry	5	4/7/2008 6 18 00 PM	TDN
Naphthalene	NELAP	0 020		**ND**	mg/Kg-dry	5	4/7/2008 6 18 00 PM	TDN
Phenanthrene	NELAP	0 020		**2.38**	mg/Kg-dry	5	4/7/2008 6 18 00 PM	TDN
Pyrene	NELAP	0 020		**1.51**	mg/Kg-dry	5	4/7/2008 6 18 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**47 9**	%REC	5	4/7/2008 6 18 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**45.9**	%REC	5	4/7/2008 6 18 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**72.9**	%REC	5	4/7/2008 6 18 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	23 5		**ND**	µg/Kg-dry	12 5	4/9/2008 5 09 00 PM	JSA
Ethylbenzene	NELAP	118	J	**34**	µg/Kg-dry	12 5	4/9/2008 5 09 00 PM	JSA
Toluene	NELAP	118		**ND**	µg/Kg-dry	12 5	4/9/2008 5 09 00 PM	JSA
Xylenes, Total	NELAP	118		**ND**	µg/Kg-dry	12 5	4/9/2008 5 09 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128	S	**138.3**	%REC	12 5	4/9/2008 5 09 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**115 4**	%REC	12 5	4/9/2008 5 09 00 PM	JSA
Surr Dibromofluoromethane		66 6-130	S	**181 6**	%REC	12 5	4/9/2008 5 09 00 PM	JSA
Surr Toluene-d8		80 1-122		**110.6**	%REC	12 5	4/9/2008 5 09 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 56		**< 0.56**	mg/Kg-dry	1	4/8/2008	AET

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-002
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-824 (9-10 ft)
Collection Date: 4/4/2008 10:16:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 57		**< 0 57**	mg/Kg-dry	1	4/8/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2
Elevated reporting limit due to high levels of target and/or non-target analytes

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Surrogate recovery was outside QC limits due to matrix interference
Elevated reporting limit due to high levels of target and/or non-target analytes

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-003
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-824 (23-24 ft)
Collection Date: 4/4/2008 10:53:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**10.8**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**89.2**	%	1	4/7/2008	HMH
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 45		**8.18**	mg/Kg-dry	1	4/9/2008 10 09 24 AM	LAL
Chromium	NELAP	0 98		**15 5**	mg/Kg-dry	1	4/9/2008 10 09 24 AM	LAL
Lead	NELAP	3 92		**10 5**	mg/Kg-dry	1	4/9/2008 10 09 24 AM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0 015**	mg/Kg-dry	1	4/7/2008 4 31 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0 041**	mg/Kg-dry	1	4/7/2008 4 31 00 PM	TDN
Anthracene	NELAP	0 004		**0.090**	mg/Kg-dry	1	4/7/2008 4 31 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.081**	mg/Kg-dry	1	4/7/2008 4 31 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.061**	mg/Kg-dry	1	4/7/2008 4 31 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.048**	mg/Kg-dry	1	4/7/2008 4 31 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.025**	mg/Kg-dry	1	4/7/2008 4 31 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.053**	mg/Kg-dry	1	4/7/2008 4 31 00 PM	TDN
Chrysene	NELAP	0 004		**0 069**	mg/Kg-dry	1	4/7/2008 4 31 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0.011**	mg/Kg-dry	1	4/7/2008 4 31 00 PM	TDN
Fluoranthene	NELAP	0 004		**0 192**	mg/Kg-dry	1	4/7/2008 4 31 00 PM	TDN
Fluorene	NELAP	0 004		**0.077**	mg/Kg-dry	1	4/7/2008 4 31 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0 026**	mg/Kg-dry	1	4/7/2008 4 31 00 PM	TDN
Naphthalene	NELAP	0 004		**0 187**	mg/Kg-dry	1	4/7/2008 4 31 00 PM	TDN
Phenanthrene	NELAP	0 004		**0 288**	mg/Kg-dry	1	4/7/2008 4 31 00 PM	TDN
Pyrene	NELAP	0 004		**0.142**	mg/Kg-dry	1	4/7/2008 4 31 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**56.5**	%REC	1	4/7/2008 4 31 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**59.7**	%REC	1	4/7/2008 4 31 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**77 0**	%REC	1	4/7/2008 4 31 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**1 3**	µg/Kg-dry	1	4/9/2008 6 40 00 PM	JSA
Ethylbenzene	NELAP	4 1		**ND**	µg/Kg-dry	1	4/9/2008 6 40 00 PM	JSA
Toluene	NELAP	4 1	J	**1 7**	µg/Kg-dry	1	4/9/2008 6 40 00 PM	JSA
Xylenes, Total	NELAP	4 1	J	**1.3**	µg/Kg-dry	1	4/9/2008 6 40 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**90.5**	%REC	1	4/9/2008 6 40 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**88.7**	%REC	1	4/9/2008 6 40 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**89.4**	%REC	1	4/9/2008 6 40 00 PM	JSA
Surr Toluene-d8		80 1-122		**96.3**	%REC	1	4/9/2008 6 40 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 55		**< 0 55**	mg/Kg-dry	1	4/8/2008	AET

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-003
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-824 (23-24 ft)
Collection Date: 4/4/2008 10 53:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 55		**< 0.55**	mg/Kg-dry	1	4/8/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-004
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-821 (9-10 ft)
Collection Date: 4/4/2008 11:45:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**16.4**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**83.6**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 8 29 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 8 29 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 8 29 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004	J	**0 004**	mg/Kg-dry	1	4/7/2008 8 29 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 8 29 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 8 29 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 8 29 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 8 29 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 8 29 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 8 29 00 PM	TDN
Fluoranthene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	4/7/2008 8 29 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 8 29 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 8 29 00 PM	TDN
Naphthalene	NELAP	0 004		**0.006**	mg/Kg-dry	1	4/7/2008 8 29 00 PM	TDN
Phenanthrene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	4/7/2008 8 29 00 PM	TDN
Pyrene	NELAP	0 004		**0 008**	mg/Kg-dry	1	4/7/2008 8 29 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**56.5**	%REC	1	4/7/2008 8 29 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**56.3**	%REC	1	4/7/2008 8 29 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**76 6**	%REC	1	4/7/2008 8 29 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 0		**5.2**	µg/Kg-dry	1	4/9/2008 7 11 00 PM	JSA
Ethylbenzene	NELAP	4 9	J	**3 3**	µg/Kg-dry	1	4/9/2008 7 11 00 PM	JSA
Toluene	NELAP	4 9		**8 9**	µg/Kg-dry	1	4/9/2008 7 11 00 PM	JSA
Xylenes, Total	NELAP	4 9		**7 3**	µg/Kg-dry	1	4/9/2008 7 11 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**99 1**	%REC	1	4/9/2008 7 11 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**93 9**	%REC	1	4/9/2008 7 11 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**98.8**	%REC	1	4/9/2008 7 11 00 PM	JSA
Surr Toluene-d8		80 1-122		**97.4**	%REC	1	4/9/2008 7 11 00 PM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-005
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-821 (0.5-3 ft)
Collection Date: 4/4/2008 11.22:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**17.5**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**82.5**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 042		**ND**	mg/Kg-dry	10	4/7/2008 6 45 00 PM	TDN
Acenaphthylene	NELAP	0 042		**0.140**	mg/Kg-dry	10	4/7/2008 6 45 00 PM	TDN
Anthracene	NELAP	0 042		**0 198**	mg/Kg-dry	10	4/7/2008 6 45 00 PM	TDN
Benzo(a)anthracene	NELAP	0 042		**0 220**	mg/Kg-dry	10	4/7/2008 6 45 00 PM	TDN
Benzo(a)pyrene	NELAP	0 042		**0.229**	mg/Kg-dry	10	4/7/2008 6 45 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 042		**0 106**	mg/Kg-dry	10	4/7/2008 6 45 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 042		**0 098**	mg/Kg-dry	10	4/7/2008 6 45 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 042		**0 130**	mg/Kg-dry	10	4/7/2008 6 45 00 PM	TDN
Chrysene	NELAP	0 042		**0.197**	mg/Kg-dry	10	4/7/2008 6 45 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 042		**ND**	mg/Kg-dry	10	4/7/2008 6 45 00 PM	TDN
Fluoranthene	NELAP	0 042		**0 362**	mg/Kg-dry	10	4/7/2008 6 45 00 PM	TDN
Fluorene	NELAP	0 042		**0.120**	mg/Kg-dry	10	4/7/2008 6 45 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 042		**0 077**	mg/Kg-dry	10	4/7/2008 6 45 00 PM	TDN
Naphthalene	NELAP	0 042		**2.22**	mg/Kg-dry	10	4/7/2008 6 45 00 PM	TDN
Phenanthrene	NELAP	0 042		**0 588**	mg/Kg-dry	10	4/7/2008 6 45 00 PM	TDN
Pyrene	NELAP	0 042		**0.535**	mg/Kg-dry	10	4/7/2008 6 45 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**39.9**	%REC	10	4/7/2008 6 45 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**33 9**	%REC	10	4/7/2008 6 45 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**67.9**	%REC	10	4/7/2008 6 45 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**1 7**	µg/Kg-dry	1	4/9/2008 7 41 00 PM	JSA
Ethylbenzene	NELAP	4 6		**ND**	µg/Kg-dry	1	4/9/2008 7 41 00 PM	JSA
Toluene	NELAP	4 6	J	**2.1**	µg/Kg-dry	1	4/9/2008 7 41 00 PM	JSA
Xylenes, Total	NELAP	4 6		**ND**	µg/Kg-dry	1	4/9/2008 7 41 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**75.9**	%REC	1	4/9/2008 7 41 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**109.0**	%REC	1	4/9/2008 7 41 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**78 0**	%REC	1	4/9/2008 7 41 00 PM	JSA
Surr Toluene-d8		80 1-122		**100.2**	%REC	1	4/9/2008 7 41 00 PM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-006
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-821 (19-20 ft)
Collection Date: 4/4/2008 12:42:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**10 6**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**89.4**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 9 04 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 9 04 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 9 04 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 9 04 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 9 04 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 9 04 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 9 04 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 9 04 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 9 04 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 9 04 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 9 04 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 9 04 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 9 04 00 PM	TDN
Naphthalene	NELAP	0 004	J	**0 004**	mg/Kg-dry	1	4/7/2008 9 04 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 9 04 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 9 04 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**25 5**	%REC	1	4/7/2008 9 04 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**34.9**	%REC	1	4/7/2008 9 04 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**69.9**	%REC	1	4/7/2008 9 04 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**1.7**	µg/Kg-dry	1	4/9/2008 8 12 00 PM	JSA
Ethylbenzene	NELAP	4 5		**ND**	µg/Kg-dry	1	4/9/2008 8 12 00 PM	JSA
Toluene	NELAP	4 5	J	**2 0**	µg/Kg-dry	1	4/9/2008 8 12 00 PM	JSA
Xylenes, Total	NELAP	4 5	J	**1 6**	µg/Kg-dry	1	4/9/2008 8 12 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**104.3**	%REC	1	4/9/2008 8 12 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**78.9**	%REC	1	4/9/2008 8 12 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**105.7**	%REC	1	4/9/2008 8 12 00 PM	JSA
Surr Toluene-d8		80 1-122		**82.2**	%REC	1	4/9/2008 8 12 00 PM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-007
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-835 (28-29 ft)
Collection Date: 4/3/2008 9:15:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**10.8**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**89.2**	%	1	4/7/2008	HMH
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.40		**7.78**	mg/Kg-dry	1	4/9/2008 10:29:36 AM	LAL
Chromium	NELAP	0.96		**12.7**	mg/Kg-dry	1	4/9/2008 10:29:36 AM	LAL
Lead	NELAP	3.85		**9.62**	mg/Kg-dry	1	4/9/2008 10:29:36 AM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.195		**2.47**	mg/Kg-dry	50	4/7/2008 7:12:00 PM	TDN
Acenaphthylene	NELAP	0.195		**13.0**	mg/Kg-dry	50	4/7/2008 7:12:00 PM	TDN
Anthracene	NELAP	0.195		**8.24**	mg/Kg-dry	50	4/7/2008 7:12:00 PM	TDN
Benzo(a)anthracene	NELAP	0.195		**6.06**	mg/Kg-dry	50	4/7/2008 7:12:00 PM	TDN
Benzo(a)pyrene	NELAP	0.195		**4.99**	mg/Kg-dry	50	4/7/2008 7:12:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.195		**3.41**	mg/Kg-dry	50	4/7/2008 7:12:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.195		**1.94**	mg/Kg-dry	50	4/7/2008 7:12:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.195		**3.92**	mg/Kg-dry	50	4/7/2008 7:12:00 PM	TDN
Chrysene	NELAP	0.195		**5.22**	mg/Kg-dry	50	4/7/2008 7:12:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.195		**0.702**	mg/Kg-dry	50	4/7/2008 7:12:00 PM	TDN
Fluoranthene	NELAP	0.195		**15.3**	mg/Kg-dry	50	4/7/2008 7:12:00 PM	TDN
Fluorene	NELAP	0.195		**9.55**	mg/Kg-dry	50	4/7/2008 7:12:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.195		**2.09**	mg/Kg-dry	50	4/7/2008 7:12:00 PM	TDN
Naphthalene	NELAP	0.195		**56.0**	mg/Kg-dry	50	4/7/2008 7:12:00 PM	TDN
Phenanthrene	NELAP	0.195		**25.2**	mg/Kg-dry	50	4/7/2008 7:12:00 PM	TDN
Pyrene	NELAP	0.195		**12.2**	mg/Kg-dry	50	4/7/2008 7:12:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		**39.9**	%REC	50	4/7/2008 7:12:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		**20.0**	%REC	50	4/7/2008 7:12:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		**69.9**	%REC	50	4/7/2008 7:12:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	885		**29600**	µg/Kg-dry	500	4/9/2008 4:39:00 PM	JSA
Ethylbenzene	NELAP	4430		**15200**	µg/Kg-dry	500	4/9/2008 4:39:00 PM	JSA
Toluene	NELAP	4430		**59100**	µg/Kg-dry	500	4/9/2008 4:39:00 PM	JSA
Xylenes, Total	NELAP	4430		**78100**	µg/Kg-dry	500	4/9/2008 4:39:00 PM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		**87.1**	%REC	500	4/9/2008 4:39:00 PM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		**99.5**	%REC	500	4/9/2008 4:39:00 PM	JSA
Surr: Dibromofluoromethane		66.6-130		**90.5**	%REC	500	4/9/2008 4:39:00 PM	JSA
Surr: Toluene-d8		80.1-122		**97.9**	%REC	500	4/9/2008 4:39:00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0.55		**0.59**	mg/Kg-dry	1	4/8/2008	AET

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-007
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-835 (28-29 ft)
Collection Date: 4/3/2008 9:15.00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 55		**Interference**	mg/Kg-dry	1	4/8/2008	AET

Sample Narrative
SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-008
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-825 (2-3 ft)
Collection Date: 4/3/2008 10:43.00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**23 7**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**76 3**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0.010**	mg/Kg-dry	1	4/7/2008 4 58 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0.040**	mg/Kg-dry	1	4/7/2008 4 58 00 PM	TDN
Anthracene	NELAP	0 004		**0.038**	mg/Kg-dry	1	4/7/2008 4 58 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.029**	mg/Kg-dry	1	4/7/2008 4 58 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.018**	mg/Kg-dry	1	4/7/2008 4 58 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0 014**	mg/Kg-dry	1	4/7/2008 4 58 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0 006**	mg/Kg-dry	1	4/7/2008 4 58 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.015**	mg/Kg-dry	1	4/7/2008 4 58 00 PM	TDN
Chrysene	NELAP	0 004		**0.025**	mg/Kg-dry	1	4/7/2008 4 58 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/7/2008 4 58 00 PM	TDN
Fluoranthene	NELAP	0 004		**0 066**	mg/Kg-dry	1	4/7/2008 4 58 00 PM	TDN
Fluorene	NELAP	0 004		**0 048**	mg/Kg-dry	1	4/7/2008 4 58 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0 007**	mg/Kg-dry	1	4/7/2008 4 58 00 PM	TDN
Naphthalene	NELAP	0 004		**0.109**	mg/Kg-dry	1	4/7/2008 4 58 00 PM	TDN
Phenanthrene	NELAP	0 004		**0 116**	mg/Kg-dry	1	4/7/2008 4 58 00 PM	TDN
Pyrene	NELAP	0 004		**0.053**	mg/Kg-dry	1	4/7/2008 4 58 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**29.9**	%REC	1	4/7/2008 4 58 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**47 7**	%REC	1	4/7/2008 4 58 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**69.9**	%REC	1	4/7/2008 4 58 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**ND**	µg/Kg-dry	1	4/9/2008 8 42 00 PM	JSA
Ethylbenzene	NELAP	5 9		**ND**	µg/Kg-dry	1	4/9/2008 8 42 00 PM	JSA
Toluene	NELAP	5 9		**ND**	µg/Kg-dry	1	4/9/2008 8 42 00 PM	JSA
Xylenes, Total	NELAP	5.9	J	**1.9**	µg/Kg-dry	1	4/9/2008 8 42 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**103.0**	%REC	1	4/9/2008 8 42 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**99 3**	%REC	1	4/9/2008 8 42 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**96.1**	%REC	1	4/9/2008 8 42 00 PM	JSA
Surr Toluene-d8		80 1-122		**98.1**	%REC	1	4/9/2008 8 42 00 PM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-009
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-825 (8-9 ft)
Collection Date: 4/3/2008 11:11:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**14.3**	%	1	4/8/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**85.7**	%	1	4/8/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 10 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 10 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 10 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 10 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 10 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 10 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 10 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 10 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 10 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 10 00 PM	TDN
Fluoranthene	NELAP	0 004	J	**0 004**	mg/Kg-dry	1	4/8/2008 9 10 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 10 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 10 00 PM	TDN
Naphthalene	NELAP	0 004		**0.008**	mg/Kg-dry	1	4/8/2008 9 10 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.007**	mg/Kg-dry	1	4/8/2008 9 10 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 10 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**38.5**	%REC	1	4/8/2008 9 10 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**46 1**	%REC	1	4/8/2008 9 10 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**64.7**	%REC	1	4/8/2008 9 10 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**2 3**	µg/Kg-dry	1	4/9/2008 9 13 00 PM	JSA
Ethylbenzene	NELAP	4 6	J	**2.1**	µg/Kg-dry	1	4/9/2008 9 13 00 PM	JSA
Toluene	NELAP	4 6		**6.2**	µg/Kg-dry	1	4/9/2008 9 13 00 PM	JSA
Xylenes, Total	NELAP	4 6		**4 8**	µg/Kg-dry	1	4/9/2008 9 13 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**68.3**	%REC	1	4/9/2008 9 13 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**111 5**	%REC	1	4/9/2008 9 13 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**73.8**	%REC	1	4/9/2008 9 13 00 PM	JSA
Surr Toluene-d8		80 1-122		**102.4**	%REC	1	4/9/2008 9 13 00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-010
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-825 (18-19 ft)
Collection Date: 4/3/2008 11 33:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**11 1**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**88.9**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 11 27 00 AM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 11 27 00 AM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 11 27 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 11 27 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 11 27 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 11 27 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 11 27 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 11 27 00 AM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 11 27 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 11 27 00 AM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 11 27 00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 11 27 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 11 27 00 AM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 11 27 00 AM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 11 27 00 AM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 11 27 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**63 3**	%REC	1	4/8/2008 11 27 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**59.1**	%REC	1	4/8/2008 11 27 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**68.3**	%REC	1	4/8/2008 11 27 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**1.6**	µg/Kg-dry	1	4/9/2008 9 43 00 PM	JSA
Ethylbenzene	NELAP	4 6		**ND**	µg/Kg-dry	1	4/9/2008 9 43 00 PM	JSA
Toluene	NELAP	4 6	J	**2.4**	µg/Kg-dry	1	4/9/2008 9 43 00 PM	JSA
Xylenes, Total	NELAP	4 6		**ND**	µg/Kg-dry	1	4/9/2008 9 43 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**79 4**	%REC	1	4/9/2008 9 43 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**105.8**	%REC	1	4/9/2008 9 43 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**83.6**	%REC	1	4/9/2008 9 43 00 PM	JSA
Surr Toluene-d8		80 1-122		**99 4**	%REC	1	4/9/2008 9 43 00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-011
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-825 (25-26 ft)
Collection Date: 4/3/2008 11:51:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**11.0**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**89.0**	%	1	4/7/2008	HMH
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.27		**7.68**	mg/Kg-dry	1	4/9/2008 10:36:23 AM	LAL
Chromium	NELAP	0.91		**15.8**	mg/Kg-dry	1	4/9/2008 10:36:23 AM	LAL
Lead	NELAP	3.64		**10.1**	mg/Kg-dry	1	4/9/2008 10:36:23 AM	LAL
SW-846 9010B, 9014								
Cyanide	NELAP	0.55		**< 0.55**	mg/Kg-dry	1	4/8/2008	AET
SW-846 9014A								
Cyanide, Amenable to Chlorination		0.55		**< 0.55**	mg/Kg-dry	1	4/8/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-012
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-826 (2-3 ft)
Collection Date: 4/3/2008 1 11:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**22.8**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**77 2**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 20 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 20 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 20 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 20 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 20 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 20 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 20 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 20 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 20 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 20 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 20 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 20 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 20 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 20 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 20 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 20 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**66 9**	%REC	1	4/8/2008 1 20 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**63.9**	%REC	1	4/8/2008 1 20 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**73 1**	%REC	1	4/8/2008 1 20 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 1		**ND**	µg/Kg-dry	1	4/9/2008 10 13 00 PM	JSA
Ethylbenzene	NELAP	5 6		**ND**	µg/Kg-dry	1	4/9/2008 10 13 00 PM	JSA
Toluene	NELAP	5 6		**ND**	µg/Kg-dry	1	4/9/2008 10 13 00 PM	JSA
Xylenes, Total	NELAP	5 6		**ND**	µg/Kg-dry	1	4/9/2008 10 13 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**101 7**	%REC	1	4/9/2008 10 13 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**98.1**	%REC	1	4/9/2008 10 13 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**99.5**	%REC	1	4/9/2008 10 13 00 PM	JSA
Surr Toluene-d8		80 1-122		**97.9**	%REC	1	4/9/2008 10 13 00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-013
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-826 (8-9 ft)
Collection Date: 4/3/2008 1:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**15 8**	%	1	4/8/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**84.2**	%	1	4/8/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 59 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 59 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 59 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0 004**	mg/Kg-dry	1	4/8/2008 1 59 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 59 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 59 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 59 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 59 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 59 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 59 00 PM	TDN
Fluoranthene	NELAP	0 004		**0 005**	mg/Kg-dry	1	4/8/2008 1 59 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 59 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 59 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 1 59 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.006**	mg/Kg-dry	1	4/8/2008 1 59 00 PM	TDN
Pyrene	NELAP	0 004		**0.004**	mg/Kg-dry	1	4/8/2008 1 59 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**44.1**	%REC	1	4/8/2008 1 59 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**46.9**	%REC	1	4/8/2008 1 59 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**63.1**	%REC	1	4/8/2008 1 59 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**2.0**	µg/Kg-dry	1	4/9/2008 10 44 00 PM	JSA
Ethylbenzene	NELAP	4 3	J	**1.7**	µg/Kg-dry	1	4/9/2008 10 44 00 PM	JSA
Toluene	NELAP	4 3	J	**4.2**	µg/Kg-dry	1	4/9/2008 10 44 00 PM	JSA
Xylenes, Total	NELAP	4 3	J	**4.2**	µg/Kg-dry	1	4/9/2008 10 44 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**98.1**	%REC	1	4/9/2008 10 44 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**98.8**	%REC	1	4/9/2008 10 44 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**94 4**	%REC	1	4/9/2008 10 44 00 PM	JSA
Surr Toluene-d8		80 1-122		**99.1**	%REC	1	4/9/2008 10 44 00 PM	JSA
SW-846 9045C								
pH (1 1)	NELAP	1 00		**8.07**		1	4/10/2008 2 20 00 PM	NJK

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-014
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-826 (16-17 ft)
Collection Date: 4/3/2008 1 52 00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**12 9**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**87 1**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 2 37 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 2 37 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 2 37 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/8/2008 2 37 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 2 37 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0 004**	mg/Kg-dry	1	4/8/2008 2 37 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 2 37 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 2 37 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 2 37 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 2 37 00 PM	TDN
Fluoranthene	NELAP	0 004		**0.007**	mg/Kg-dry	1	4/8/2008 2 37 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 2 37 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 2 37 00 PM	TDN
Naphthalene	NELAP	0 004		**0.006**	mg/Kg-dry	1	4/8/2008 2 37 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.012**	mg/Kg-dry	1	4/8/2008 2 37 00 PM	TDN
Pyrene	NELAP	0 004		**0.007**	mg/Kg-dry	1	4/8/2008 2 37 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**61 9**	%REC	1	4/8/2008 2 37 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**61.9**	%REC	1	4/8/2008 2 37 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**74 1**	%REC	1	4/8/2008 2 37 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**1.8**	µg/Kg-dry	1	4/9/2008 11 14 00 PM	JSA
Ethylbenzene	NELAP	4 4	J	**1.5**	µg/Kg-dry	1	4/9/2008 11 14 00 PM	JSA
Toluene	NELAP	4 4	J	**4 0**	µg/Kg-dry	1	4/9/2008 11 14 00 PM	JSA
Xylenes, Total	NELAP	4 4	J	**3.5**	µg/Kg-dry	1	4/9/2008 11 14 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**102.2**	%REC	1	4/9/2008 11 14 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**98.9**	%REC	1	4/9/2008 11 14 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**98.9**	%REC	1	4/9/2008 11 14 00 PM	JSA
Surr Toluene-d8		80 1-122		**98.3**	%REC	1	4/9/2008 11 14 00 PM	JSA
SW-846 9045C								
pH (1 1)	NELAP	1 00		**8.21**		1	4/10/2008 2 23 00 PM	NJK

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-015
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-828 (2-3 ft)
Collection Date: 4/3/2008 2:53:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**23 4**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**76 6**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 3 14 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 3 14 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 3 14 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0 014**	mg/Kg-dry	1	4/8/2008 3 14 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.011**	mg/Kg-dry	1	4/8/2008 3 14 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0 017**	mg/Kg-dry	1	4/8/2008 3 14 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.009**	mg/Kg-dry	1	4/8/2008 3 14 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/8/2008 3 14 00 PM	TDN
Chrysene	NELAP	0 004		**0 012**	mg/Kg-dry	1	4/8/2008 3 14 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 3 14 00 PM	TDN
Fluoranthene	NELAP	0 004		**0.028**	mg/Kg-dry	1	4/8/2008 3 14 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 3 14 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0 008**	mg/Kg-dry	1	4/8/2008 3 14 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 3 14 00 PM	TDN
Phenanthrene	NELAP	0 004		**0 010**	mg/Kg-dry	1	4/8/2008 3 14 00 PM	TDN
Pyrene	NELAP	0 004		**0.023**	mg/Kg-dry	1	4/8/2008 3 14 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**54 1**	%REC	1	4/8/2008 3 14 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**54 1**	%REC	1	4/8/2008 3 14 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**65.1**	%REC	1	4/8/2008 3 14 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 3		**1.4**	µg/Kg-dry	1	4/9/2008 11 45 00 PM	JSA
Ethylbenzene	NELAP	6 3		**ND**	µg/Kg-dry	1	4/9/2008 11 45 00 PM	JSA
Toluene	NELAP	6 3		**ND**	µg/Kg-dry	1	4/9/2008 11 45 00 PM	JSA
Xylenes, Total	NELAP	6 3	J	**1 8**	µg/Kg-dry	1	4/9/2008 11 45 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**99.3**	%REC	1	4/9/2008 11 45 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**78 2**	%REC	1	4/9/2008 11 45 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**99 8**	%REC	1	4/9/2008 11 45 00 PM	JSA
Surr Toluene-d8		80 1-122		**95 4**	%REC	1	4/9/2008 11 45 00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-016
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-828-DUP (2-3 ft)
Collection Date: 4/3/2008 2:53:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**23.4**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**76.6**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 3 53 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 3 53 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 3 53 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0 012**	mg/Kg-dry	1	4/8/2008 3 53 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0 012**	mg/Kg-dry	1	4/8/2008 3 53 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.018**	mg/Kg-dry	1	4/8/2008 3 53 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.010**	mg/Kg-dry	1	4/8/2008 3 53 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.006**	mg/Kg-dry	1	4/8/2008 3 53 00 PM	TDN
Chrysene	NELAP	0 004		**0.012**	mg/Kg-dry	1	4/8/2008 3 53 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 3 53 00 PM	TDN
Fluoranthene	NELAP	0 004		**0.017**	mg/Kg-dry	1	4/8/2008 3 53 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 3 53 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0 009**	mg/Kg-dry	1	4/8/2008 3 53 00 PM	TDN
Naphthalene	NELAP	0 004	J	**0 004**	mg/Kg-dry	1	4/8/2008 3 53 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.008**	mg/Kg-dry	1	4/8/2008 3 53 00 PM	TDN
Pyrene	NELAP	0 004		**0 015**	mg/Kg-dry	1	4/8/2008 3 53 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**61.5**	%REC	1	4/8/2008 3 53 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**60.5**	%REC	1	4/8/2008 3 53 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**69.9**	%REC	1	4/8/2008 3 53 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 3		**2 1**	µg/Kg-dry	1	4/10/2008 5 49 00 AM	JSA
Ethylbenzene	NELAP	6 5		**ND**	µg/Kg-dry	1	4/10/2008 5 49 00 AM	JSA
Toluene	NELAP	6 5		**ND**	µg/Kg-dry	1	4/10/2008 5 49 00 AM	JSA
Xylenes, Total	NELAP	6 5	J	**1.6**	µg/Kg-dry	1	4/10/2008 5 49 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**99 5**	%REC	1	4/10/2008 5 49 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**99.6**	%REC	1	4/10/2008 5 49 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**96 6**	%REC	1	4/10/2008 5 49 00 AM	JSA
Surr Toluene-d8		80 1-122		**99.4**	%REC	1	4/10/2008 5 49 00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-017
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-828 (9-10 ft)
Collection Date: 4/3/2008 3:19:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19.8**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80.2**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	4/8/2008 4 31 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 4 31 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 4 31 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 4 31 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 4 31 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 4 31 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 4 31 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 4 31 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 4 31 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 4 31 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 4 31 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 4 31 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 4 31 00 PM	TDN
Naphthalene	NELAP	0 004		**0 023**	mg/Kg-dry	1	4/8/2008 4 31 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 4 31 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 4 31 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**58.9**	%REC	1	4/8/2008 4 31 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**55.5**	%REC	1	4/8/2008 4 31 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**71.7**	%REC	1	4/8/2008 4 31 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 0		**31 4**	µg/Kg-dry	1	4/10/2008 12 15 00 AM	JSA
Ethylbenzene	NELAP	5 2		**53 4**	µg/Kg-dry	1	4/10/2008 12 15 00 AM	JSA
Toluene	NELAP	5 2		**10.9**	µg/Kg-dry	1	4/10/2008 12 15 00 AM	JSA
Xylenes, Total	NELAP	5 2		**32.2**	µg/Kg-dry	1	4/10/2008 12 15 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**93 7**	%REC	1	4/10/2008 12 15 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**103.9**	%REC	1	4/10/2008 12 15 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**94.3**	%REC	1	4/10/2008 12 15 00 AM	JSA
Surr Toluene-d8		80 1-122		**100.4**	%REC	1	4/10/2008 12 15 00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-018
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-828 (12-13 ft)
Collection Date: 4/3/2008 3 41 00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**13.5**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**86.5**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0 043**	mg/Kg-dry	1	4/8/2008 5 08 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0 006**	mg/Kg-dry	1	4/8/2008 5 08 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 5 08 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 5 08 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 5 08 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 5 08 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 5 08 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 5 08 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 5 08 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 5 08 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 5 08 00 PM	TDN
Fluorene	NELAP	0 004		**0.021**	mg/Kg-dry	1	4/8/2008 5 08 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 5 08 00 PM	TDN
Naphthalene	NELAP	0 004		**0.766**	mg/Kg-dry	1	4/8/2008 5 08 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 5 08 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 5 08 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**48.9**	%REC	1	4/8/2008 5 08 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**46.9**	%REC	1	4/8/2008 5 08 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**65 5**	%REC	1	4/8/2008 5 08 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	21 7		**60 8**	µg/Kg-dry	12 5	4/9/2008 5 40 00 PM	JSA
Ethylbenzene	NELAP	109		**182**	µg/Kg-dry	12 5	4/9/2008 5 40 00 PM	JSA
Toluene	NELAP	109		**ND**	µg/Kg-dry	12 5	4/9/2008 5 40 00 PM	JSA
Xylenes, Total	NELAP	109		**284**	µg/Kg-dry	12 5	4/9/2008 5 40 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128	S	**129.3**	%REC	12 5	4/9/2008 5 40 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**110.9**	%REC	12 5	4/9/2008 5 40 00 PM	JSA
Surr Dibromofluoromethane		66 6-130	S	**183 6**	%REC	12 5	4/9/2008 5 40 00 PM	JSA
Surr Toluene-d8		80 1-122		**107.3**	%REC	12 5	4/9/2008 5 40 00 PM	JSA

Sample Narrative

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-019
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-828 (17-18 ft)
Collection Date: 4/3/2008 4:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**10.6**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**89.4**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 5:46:00 PM	TDN
Acenaphthylene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 5:46:00 PM	TDN
Anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 5:46:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 5:46:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 5:46:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 5:46:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 5:46:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 5:46:00 PM	TDN
Chrysene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 5:46:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 5:46:00 PM	TDN
Fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 5:46:00 PM	TDN
Fluorene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 5:46:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 5:46:00 PM	TDN
Naphthalene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 5:46:00 PM	TDN
Phenanthrene	NELAP	0.004		**0.004**	mg/Kg-dry	1	4/8/2008 5:46:00 PM	TDN
Pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 5:46:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		**37.7**	%REC	1	4/8/2008 5:46:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		**44.9**	%REC	1	4/8/2008 5:46:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		**61.3**	%REC	1	4/8/2008 5:46:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.9		**1.5**	µg/Kg-dry	1	4/10/2008 6:19:00 AM	JSA
Ethylbenzene	NELAP	4.3		**ND**	µg/Kg-dry	1	4/10/2008 6:19:00 AM	JSA
Toluene	NELAP	4.3	J	**1.5**	µg/Kg-dry	1	4/10/2008 6:19:00 AM	JSA
Xylenes, Total	NELAP	4.3		**ND**	µg/Kg-dry	1	4/10/2008 6:19:00 AM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		**90.7**	%REC	1	4/10/2008 6:19:00 AM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		**82.9**	%REC	1	4/10/2008 6:19:00 AM	JSA
Surr: Dibromofluoromethane		66.6-130		**91.7**	%REC	1	4/10/2008 6:19:00 AM	JSA
Surr: Toluene-d8		80.1-122		**92.6**	%REC	1	4/10/2008 6:19:00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-020
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-830 (2-3 ft)
Collection Date: 4/3/2008 11:59:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**25.7**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**74.3**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 023		**0 032**	mg/Kg-dry	5	4/8/2008 12 09 00 PM	TDN
Acenaphthylene	NELAP	0 023		**0 075**	mg/Kg-dry	5	4/8/2008 12 09 00 PM	TDN
Anthracene	NELAP	0 023		**0 086**	mg/Kg-dry	5	4/8/2008 12 09 00 PM	TDN
Benzo(a)anthracene	NELAP	0 023		**0.429**	mg/Kg-dry	5	4/8/2008 12 09 00 PM	TDN
Benzo(a)pyrene	NELAP	0 023		**0 500**	mg/Kg-dry	5	4/8/2008 12 09 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 023		**0.660**	mg/Kg-dry	5	4/8/2008 12 09 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 023		**0.342**	mg/Kg-dry	5	4/8/2008 12 09 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 023		**0.251**	mg/Kg-dry	5	4/8/2008 12 09 00 PM	TDN
Chrysene	NELAP	0 023		**0 487**	mg/Kg-dry	5	4/8/2008 12 09 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 023		**0 105**	mg/Kg-dry	5	4/8/2008 12 09 00 PM	TDN
Fluoranthene	NELAP	0 023		**0.771**	mg/Kg-dry	5	4/8/2008 12 09 00 PM	TDN
Fluorene	NELAP	0 023		**0 028**	mg/Kg-dry	5	4/8/2008 12 09 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 023		**0.316**	mg/Kg-dry	5	4/8/2008 12 09 00 PM	TDN
Naphthalene	NELAP	0 023		**0 037**	mg/Kg-dry	5	4/8/2008 12 09 00 PM	TDN
Phenanthrene	NELAP	0 023		**0 338**	mg/Kg-dry	5	4/8/2008 12 09 00 PM	TDN
Pyrene	NELAP	0 023		**0 638**	mg/Kg-dry	5	4/8/2008 12 09 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**54.9**	%REC	5	4/8/2008 12 09 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**65 9**	%REC	5	4/8/2008 12 09 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**75.8**	%REC	5	4/8/2008 12 09 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 3		**ND**	µg/Kg-dry	1	4/10/2008 6 50 00 AM	JSA
Ethylbenzene	NELAP	6 4		**ND**	µg/Kg-dry	1	4/10/2008 6 50 00 AM	JSA
Toluene	NELAP	6 4		**ND**	µg/Kg-dry	1	4/10/2008 6 50 00 AM	JSA
Xylenes, Total	NELAP	6 4		**ND**	µg/Kg-dry	1	4/10/2008 6 50 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**100.5**	%REC	1	4/10/2008 6 50 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**96 8**	%REC	1	4/10/2008 6 50 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**98 5**	%REC	1	4/10/2008 6 50 00 AM	JSA
Surr Toluene-d8		80 1-122		**97.8**	%REC	1	4/10/2008 6 50 00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-021
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-830 (8-9 ft)
Collection Date: 4/3/2008 12:21:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**18.7**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**81.3**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 24 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 24 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 24 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 24 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 24 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 24 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 24 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 24 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 24 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 24 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 24 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 24 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 24 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 24 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 24 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 24 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**53.9**	%REC	1	4/8/2008 6 24 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**51.9**	%REC	1	4/8/2008 6 24 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**69.1**	%REC	1	4/8/2008 6 24 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**1.5**	µg/Kg-dry	1	4/10/2008 7 21 00 AM	JSA
Ethylbenzene	NELAP	5 8		**ND**	µg/Kg-dry	1	4/10/2008 7 21 00 AM	JSA
Toluene	NELAP	5 8	J	**2.1**	µg/Kg-dry	1	4/10/2008 7 21 00 AM	JSA
Xylenes, Total	NELAP	5 8	J	**1.4**	µg/Kg-dry	1	4/10/2008 7 21 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**98.5**	%REC	1	4/10/2008 7 21 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**99 8**	%REC	1	4/10/2008 7 21 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**96.3**	%REC	1	4/10/2008 7 21 00 AM	JSA
Surr Toluene-d8		80 1-122		**98.9**	%REC	1	4/10/2008 7 21 00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-022
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-830 (28-30 ft)
Collection Date: 4/3/2008 2:53:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**10 1**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**89.9**	%	1	4/7/2008	HMH
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**8 52**	mg/Kg-dry	1	4/9/2008 11 15 18 AM	LAL
Chromium	NELAP	1 00		**12.4**	mg/Kg-dry	1	4/9/2008 11 15 18 AM	LAL
Lead	NELAP	4 00		**9 39**	mg/Kg-dry	1	4/9/2008 11 15 18 AM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 7 03 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 7 03 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 7 03 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 7 03 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 7 03 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 7 03 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 7 03 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 7 03 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 7 03 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 7 03 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 7 03 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 7 03 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 7 03 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 7 03 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 7 03 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 7 03 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**54 7**	%REC	1	4/8/2008 7 03 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**53.5**	%REC	1	4/8/2008 7 03 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**63.1**	%REC	1	4/8/2008 7 03 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**ND**	µg/Kg-dry	1	4/10/2008 7 51 00 AM	JSA
Ethylbenzene	NELAP	4 1		**ND**	µg/Kg-dry	1	4/10/2008 7 51 00 AM	JSA
Toluene	NELAP	4 1	J	**0.9**	µg/Kg-dry	1	4/10/2008 7 51 00 AM	JSA
Xylenes, Total	NELAP	4 1		**ND**	µg/Kg-dry	1	4/10/2008 7 51 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**66 5**	%REC	1	4/10/2008 7 51 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**94.8**	%REC	1	4/10/2008 7 51 00 AM	JSA
Surr Dibromofluoromethane		66 6-130	S	**65.4**	%REC	1	4/10/2008 7 51 00 AM	JSA
Surr Toluene-d8		80 1-122		**96.3**	%REC	1	4/10/2008 7 51 00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 55	J	**0 43**	mg/Kg-dry	1	4/8/2008	AET

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-022
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-830 (28-30 ft)
Collection Date: 4/3/2008 2.53:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 55		**< 0.55**	mg/Kg-dry	1	4/8/2008	AET

Sample Narrative
SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Surrogate recovery was outside QC limits due to matrix interference

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-023
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-831 (1-3 ft)
Collection Date: 4/3/2008 3.49:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**21.6**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**78 4**	%	1	4/7/2008	HMH
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 40		**6.50**	mg/Kg-dry	1	4/9/2008 11 22 05 AM	LAL
Chromium	NELAP	0 96		**12.2**	mg/Kg-dry	1	4/9/2008 11 22 05 AM	LAL
Lead	NELAP	3 85		**87.4**	mg/Kg-dry	1	4/9/2008 11 22 05 AM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 215		**0.285**	mg/Kg-dry	50	4/8/2008 12 44 00 PM	TDN
Acenaphthylene	NELAP	0 215		**4.24**	mg/Kg-dry	50	4/8/2008 12 44 00 PM	TDN
Anthracene	NELAP	0 215		**4.99**	mg/Kg-dry	50	4/8/2008 12 44 00 PM	TDN
Benzo(a)anthracene	NELAP	0 215		**10.7**	mg/Kg-dry	50	4/8/2008 12 44 00 PM	TDN
Benzo(a)pyrene	NELAP	0 215		**8 77**	mg/Kg-dry	50	4/8/2008 12 44 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 215		**11.8**	mg/Kg-dry	50	4/8/2008 12 44 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 215		**4 05**	mg/Kg-dry	50	4/8/2008 12 44 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 215		**4 51**	mg/Kg-dry	50	4/8/2008 12 44 00 PM	TDN
Chrysene	NELAP	0 215		**11 2**	mg/Kg-dry	50	4/8/2008 12 44 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 215		**1.55**	mg/Kg-dry	50	4/8/2008 12 44 00 PM	TDN
Fluoranthene	NELAP	0 215		**25.8**	mg/Kg-dry	50	4/8/2008 12 44 00 PM	TDN
Fluorene	NELAP	0 215		**1.33**	mg/Kg-dry	50	4/8/2008 12 44 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 215		**4.54**	mg/Kg-dry	50	4/8/2008 12 44 00 PM	TDN
Naphthalene	NELAP	0 215		**0.466**	mg/Kg-dry	50	4/8/2008 12 44 00 PM	TDN
Phenanthrene	NELAP	0 215		**18.7**	mg/Kg-dry	50	4/8/2008 12 44 00 PM	TDN
Pyrene	NELAP	0 215		**19 2**	mg/Kg-dry	50	4/8/2008 12 44 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**39 9**	%REC	50	4/8/2008 12 44 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**59.9**	%REC	50	4/8/2008 12 44 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**79.8**	%REC	50	4/8/2008 12 44 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 3		**2 1**	µg/Kg-dry	1	4/10/2008 8 21 00 AM	JSA
Ethylbenzene	NELAP	6 7		**ND**	µg/Kg-dry	1	4/10/2008 8 21 00 AM	JSA
Toluene	NELAP	6 7		**ND**	µg/Kg-dry	1	4/10/2008 8 21 00 AM	JSA
Xylenes, Total	NELAP	6 7		**ND**	µg/Kg-dry	1	4/10/2008 8 21 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**102.7**	%REC	1	4/10/2008 8 21 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**95.9**	%REC	1	4/10/2008 8 21 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**96.0**	%REC	1	4/10/2008 8 21 00 AM	JSA
Surr Toluene-d8		80 1-122		**98 1**	%REC	1	4/10/2008 8 21 00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 61		**0.72**	mg/Kg-dry	1	4/8/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-023
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-831 (1-3 ft)
Collection Date: 4/3/2008 3:49:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0.63		**Interference**	mg/Kg-dry	1	4/8/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-024
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-831 (9-10 ft)
Collection Date: 4/3/2008 4 19.00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**14.0**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**86.0**	%	1	4/7/2008	HMH
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 36		**8.22**	mg/Kg-dry	1	4/9/2008 11 28 37 AM	LAL
Chromium	NELAP	0 94		**10 6**	mg/Kg-dry	1	4/9/2008 11 28 37 AM	LAL
Lead	NELAP	3 77		**11.0**	mg/Kg-dry	1	4/9/2008 11 28 37 AM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 387		**53.4**	mg/Kg-dry	50	4/8/2008 1 20 00 PM	TDN
Acenaphthylene	NELAP	0 387		**11.0**	mg/Kg-dry	50	4/8/2008 1 20 00 PM	TDN
Anthracene	NELAP	0 387		**33.2**	mg/Kg-dry	50	4/8/2008 1 20 00 PM	TDN
Benzo(a)anthracene	NELAP	0 387		**22 3**	mg/Kg-dry	50	4/8/2008 1 20 00 PM	TDN
Benzo(a)pyrene	NELAP	0 387		**17.1**	mg/Kg-dry	50	4/8/2008 1 20 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 387		**18.0**	mg/Kg-dry	50	4/8/2008 1 20 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 387		**6 17**	mg/Kg-dry	50	4/8/2008 1 20 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 387		**6.95**	mg/Kg-dry	50	4/8/2008 1 20 00 PM	TDN
Chrysene	NELAP	0 387		**20.5**	mg/Kg-dry	50	4/8/2008 1 20 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 387		**2 28**	mg/Kg-dry	50	4/8/2008 1 20 00 PM	TDN
Fluoranthene	NELAP	0 387		**54 4**	mg/Kg-dry	50	4/8/2008 1 20 00 PM	TDN
Fluorene	NELAP	0 387		**45.3**	mg/Kg-dry	50	4/8/2008 1 20 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 387		**6.30**	mg/Kg-dry	50	4/8/2008 1 20 00 PM	TDN
Naphthalene	NELAP	0 773		**274**	mg/Kg-dry	100	4/9/2008 5 58 00 AM	TDN
Phenanthrene	NELAP	0 387		**103**	mg/Kg-dry	50	4/8/2008 1 20 00 PM	TDN
Pyrene	NELAP	0 387		**48.9**	mg/Kg-dry	50	4/8/2008 1 20 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**69.9**	%REC	50	4/8/2008 1 20 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**59.9**	%REC	50	4/8/2008 1 20 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**89.8**	%REC	50	4/8/2008 1 20 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	849		**8450**	µg/Kg-dry	500	4/10/2008 4 17 00 AM	JSA
Ethylbenzene	NELAP	4250		**32600**	µg/Kg-dry	500	4/10/2008 4 17 00 AM	JSA
Toluene	NELAP	4250		**18800**	µg/Kg-dry	500	4/10/2008 4 17 00 AM	JSA
Xylenes, Total	NELAP	4250		**105000**	µg/Kg-dry	500	4/10/2008 4 17 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**93.1**	%REC	500	4/10/2008 4 17 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**101.7**	%REC	500	4/10/2008 4 17 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**97.3**	%REC	500	4/10/2008 4 17 00 AM	JSA
Surr Toluene-d8		80 1-122		**98.2**	%REC	500	4/10/2008 4 17 00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 56		**0.65**	mg/Kg-dry	1	4/8/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-024
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-831 (9-10 ft)
Collection Date: 4/3/2008 4:19:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0.57		**Interference**	mg/Kg-dry	1	4/8/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-025
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-831 (10 5-12 ft)
Collection Date: 4/3/2008 4 55 00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**15 2**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**84 8**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 388		**29 7**	mg/Kg-dry	50	4/8/2008 1 56 00 PM	TDN
Acenaphthylene	NELAP	0 388		**10.0**	mg/Kg-dry	50	4/8/2008 1 56 00 PM	TDN
Anthracene	NELAP	0 388		**20.0**	mg/Kg-dry	50	4/8/2008 1 56 00 PM	TDN
Benzo(a)anthracene	NELAP	0 388		**12 3**	mg/Kg-dry	50	4/8/2008 1 56 00 PM	TDN
Benzo(a)pyrene	NELAP	0 388		**9 94**	mg/Kg-dry	50	4/8/2008 1 56 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 388		**10.2**	mg/Kg-dry	50	4/8/2008 1 56 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 388		**3.61**	mg/Kg-dry	50	4/8/2008 1 56 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 388		**4 14**	mg/Kg-dry	50	4/8/2008 1 56 00 PM	TDN
Chrysene	NELAP	0 388		**11.1**	mg/Kg-dry	50	4/8/2008 1 56 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 388		**1.58**	mg/Kg-dry	50	4/8/2008 1 56 00 PM	TDN
Fluoranthene	NELAP	0 388		**33.5**	mg/Kg-dry	50	4/8/2008 1 56 00 PM	TDN
Fluorene	NELAP	0 388		**27.7**	mg/Kg-dry	50	4/8/2008 1 56 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 388		**3.64**	mg/Kg-dry	50	4/8/2008 1 56 00 PM	TDN
Naphthalene	NELAP	0 388		**166**	mg/Kg-dry	50	4/8/2008 1 56 00 PM	TDN
Phenanthrene	NELAP	0 388		**62.7**	mg/Kg-dry	50	4/8/2008 1 56 00 PM	TDN
Pyrene	NELAP	0 388		**29.2**	mg/Kg-dry	50	4/8/2008 1 56 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**69.9**	%REC	50	4/8/2008 1 56 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**59.9**	%REC	50	4/8/2008 1 56 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**79.8**	%REC	50	4/8/2008 1 56 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	898		**6870**	µg/Kg-dry	500	4/10/2008 4 48 00 AM	JSA
Ethylbenzene	NELAP	4490		**17600**	µg/Kg-dry	500	4/10/2008 4 48 00 AM	JSA
Toluene	NELAP	4490		**10600**	µg/Kg-dry	500	4/10/2008 4 48 00 AM	JSA
Xylenes, Total	NELAP	4490		**54200**	µg/Kg-dry	500	4/10/2008 4 48 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**91.0**	%REC	500	4/10/2008 4 48 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**101.6**	%REC	500	4/10/2008 4 48 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**93.5**	%REC	500	4/10/2008 4 48 00 AM	JSA
Surr Toluene-d8		80 1-122		**99.0**	%REC	500	4/10/2008 4 48 00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-026
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-831 (18-20 ft)
Collection Date: 4/3/2008 5:17.00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**10.8**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**89 2**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0.006**	mg/Kg-dry	1	4/9/2008 2 14 00 AM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 2 14 00 AM	TDN
Anthracene	NELAP	0 004		**0 006**	mg/Kg-dry	1	4/9/2008 2 14 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**0 007**	mg/Kg-dry	1	4/9/2008 2 14 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004	J	**0 004**	mg/Kg-dry	1	4/9/2008 2 14 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.004**	mg/Kg-dry	1	4/9/2008 2 14 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 2 14 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 2 14 00 AM	TDN
Chrysene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/9/2008 2 14 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 2 14 00 AM	TDN
Fluoranthene	NELAP	0 004		**0.012**	mg/Kg-dry	1	4/9/2008 2 14 00 AM	TDN
Fluorene	NELAP	0 004		**0.006**	mg/Kg-dry	1	4/9/2008 2 14 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 2 14 00 AM	TDN
Naphthalene	NELAP	0 004		**0.064**	mg/Kg-dry	1	4/9/2008 2 14 00 AM	TDN
Phenanthrene	NELAP	0 004		**0.022**	mg/Kg-dry	1	4/9/2008 2 14 00 AM	TDN
Pyrene	NELAP	0 004		**0 012**	mg/Kg-dry	1	4/9/2008 2 14 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**41.5**	%REC	1	4/9/2008 2 14 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**49.9**	%REC	1	4/9/2008 2 14 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**64.5**	%REC	1	4/9/2008 2 14 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**2.1**	µg/Kg-dry	1	4/10/2008 8 51 00 AM	JSA
Ethylbenzene	NELAP	4 4	J	**1.3**	µg/Kg-dry	1	4/10/2008 8 51 00 AM	JSA
Toluene	NELAP	4 4	J	**2.5**	µg/Kg-dry	1	4/10/2008 8 51 00 AM	JSA
Xylenes, Total	NELAP	4 4	J	**4.1**	µg/Kg-dry	1	4/10/2008 8 51 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**86 4**	%REC	1	4/10/2008 8 51 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**94 3**	%REC	1	4/10/2008 8 51 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**89.2**	%REC	1	4/10/2008 8 51 00 AM	JSA
Surr Toluene-d8		80 1-122		**99.5**	%REC	1	4/10/2008 8 51 00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-027
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-832 (2-3 ft)
Collection Date: 4/4/2008 8.53:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**27 4**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**72.6**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 024		**0.076**	mg/Kg-dry	5	4/8/2008 2 33 00 PM	TDN
Acenaphthylene	NELAP	0 024		**0.332**	mg/Kg-dry	5	4/8/2008 2 33 00 PM	TDN
Anthracene	NELAP	0 024		**0 718**	mg/Kg-dry	5	4/8/2008 2 33 00 PM	TDN
Benzo(a)anthracene	NELAP	0 024		**1.29**	mg/Kg-dry	5	4/8/2008 2 33 00 PM	TDN
Benzo(a)pyrene	NELAP	0 024		**1 26**	mg/Kg-dry	5	4/8/2008 2 33 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 024		**1.59**	mg/Kg-dry	5	4/8/2008 2 33 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 024		**0.637**	mg/Kg-dry	5	4/8/2008 2 33 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 024		**0.585**	mg/Kg-dry	5	4/8/2008 2 33 00 PM	TDN
Chrysene	NELAP	0 024		**1.19**	mg/Kg-dry	5	4/8/2008 2 33 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 024		**0.230**	mg/Kg-dry	5	4/8/2008 2 33 00 PM	TDN
Fluoranthene	NELAP	0 024		**2 44**	mg/Kg-dry	5	4/8/2008 2 33 00 PM	TDN
Fluorene	NELAP	0 024		**0 338**	mg/Kg-dry	5	4/8/2008 2 33 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 024		**0.629**	mg/Kg-dry	5	4/8/2008 2 33 00 PM	TDN
Naphthalene	NELAP	0 024		**1 12**	mg/Kg-dry	5	4/8/2008 2 33 00 PM	TDN
Phenanthrene	NELAP	0 024		**1.90**	mg/Kg-dry	5	4/8/2008 2 33 00 PM	TDN
Pyrene	NELAP	0 024		**1 95**	mg/Kg-dry	5	4/8/2008 2 33 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**51.9**	%REC	5	4/8/2008 2 33 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**61.9**	%REC	5	4/8/2008 2 33 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**69.9**	%REC	5	4/8/2008 2 33 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 4		**6 2**	µg/Kg-dry	1	4/10/2008 9 21 00 AM	JSA
Ethylbenzene	NELAP	6 9		**ND**	µg/Kg-dry	1	4/10/2008 9 21 00 AM	JSA
Toluene	NELAP	6 9	J	**1.5**	µg/Kg-dry	1	4/10/2008 9 21 00 AM	JSA
Xylenes, Total	NELAP	6 9		**ND**	µg/Kg-dry	1	4/10/2008 9 21 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**101 5**	%REC	1	4/10/2008 9 21 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**92 1**	%REC	1	4/10/2008 9 21 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**98.3**	%REC	1	4/10/2008 9 21 00 AM	JSA
Surr Toluene-d8		80 1-122		**97.2**	%REC	1	4/10/2008 9 21 00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-028
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-832 (7-8 ft)
Collection Date: 4/4/2008 9:09:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**22.8**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**77.2**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/9/2008 12:59:00 AM	TDN
Acenaphthylene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/9/2008 12:59:00 AM	TDN
Anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/9/2008 12:59:00 AM	TDN
Benzo(a)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/9/2008 12:59:00 AM	TDN
Benzo(a)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/9/2008 12:59:00 AM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/9/2008 12:59:00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/9/2008 12:59:00 AM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/9/2008 12:59:00 AM	TDN
Chrysene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/9/2008 12:59:00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/9/2008 12:59:00 AM	TDN
Fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/9/2008 12:59:00 AM	TDN
Fluorene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/9/2008 12:59:00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/9/2008 12:59:00 AM	TDN
Naphthalene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/9/2008 12:59:00 AM	TDN
Phenanthrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/9/2008 12:59:00 AM	TDN
Pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/9/2008 12:59:00 AM	TDN
Surr: 2-Fluorobiphenyl		10-131		**35.7**	%REC	1	4/9/2008 12:59:00 AM	TDN
Surr: Nitrobenzene-d5		10-132		**48.5**	%REC	1	4/9/2008 12:59:00 AM	TDN
Surr: p-Terphenyl-d14		30.6-131		**67.1**	%REC	1	4/9/2008 12:59:00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.1		**ND**	µg/Kg-dry	1	4/10/2008 9:51:00 AM	JSA
Ethylbenzene	NELAP	5.6		**ND**	µg/Kg-dry	1	4/10/2008 9:51:00 AM	JSA
Toluene	NELAP	5.6		**ND**	µg/Kg-dry	1	4/10/2008 9:51:00 AM	JSA
Xylenes, Total	NELAP	5.6		**ND**	µg/Kg-dry	1	4/10/2008 9:51:00 AM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		**101.9**	%REC	1	4/10/2008 9:51:00 AM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		**99.2**	%REC	1	4/10/2008 9:51:00 AM	JSA
Surr: Dibromofluoromethane		66.6-130		**99.0**	%REC	1	4/10/2008 9:51:00 AM	JSA
Surr: Toluene-d8		80.1-122		**98.9**	%REC	1	4/10/2008 9:51:00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-029
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-832 (20-21 ft)
Collection Date: 4/4/2008 9:40.00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**11.3**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**88 7**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 1 37 00 AM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 1 37 00 AM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 1 37 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 1 37 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 1 37 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 1 37 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 1 37 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 1 37 00 AM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 1 37 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 1 37 00 AM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 1 37 00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 1 37 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 1 37 00 AM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 1 37 00 AM	TDN
Phenanthrene	NELAP	0 004		***0.004***	mg/Kg-dry	1	4/9/2008 1 37 00 AM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 1 37 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**48 7**	%REC	1	4/9/2008 1 37 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**53 3**	%REC	1	4/9/2008 1 37 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**67.5**	%REC	1	4/9/2008 1 37 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**1 6**	µg/Kg-dry	1	4/10/2008 10 22 00 AM	JSA
Ethylbenzene	NELAP	4 4		**ND**	µg/Kg-dry	1	4/10/2008 10 22 00 AM	JSA
Toluene	NELAP	4 4	J	**1.8**	µg/Kg-dry	1	4/10/2008 10 22 00 AM	JSA
Xylenes, Total	NELAP	4 4	J	**1.1**	µg/Kg-dry	1	4/10/2008 10 22 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**102.7**	%REC	1	4/10/2008 10 22 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117	S	**76.4**	%REC	1	4/10/2008 10 22 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**102.8**	%REC	1	4/10/2008 10 22 00 AM	JSA
Surr Toluene-d8		80 1-122		**86.6**	%REC	1	4/10/2008 10 22 00 AM	JSA

Sample Narrative
SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Surrogate recovery was outside QC limits due to matrix interference

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-030
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-838 (1-2 ft)
Collection Date: 4/4/2008 11:20 00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**24 7**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**75.3**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 4 21 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0.019**	mg/Kg-dry	1	4/8/2008 4 21 00 PM	TDN
Anthracene	NELAP	0 004		**0.039**	mg/Kg-dry	1	4/8/2008 4 21 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.113**	mg/Kg-dry	1	4/8/2008 4 21 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.094**	mg/Kg-dry	1	4/8/2008 4 21 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.128**	mg/Kg-dry	1	4/8/2008 4 21 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0 046**	mg/Kg-dry	1	4/8/2008 4 21 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.049**	mg/Kg-dry	1	4/8/2008 4 21 00 PM	TDN
Chrysene	NELAP	0 004		**0 117**	mg/Kg-dry	1	4/8/2008 4 21 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0 018**	mg/Kg-dry	1	4/8/2008 4 21 00 PM	TDN
Fluoranthene	NELAP	0 004		**0 270**	mg/Kg-dry	1	4/8/2008 4 21 00 PM	TDN
Fluorene	NELAP	0 004		**0.010**	mg/Kg-dry	1	4/8/2008 4 21 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.049**	mg/Kg-dry	1	4/8/2008 4 21 00 PM	TDN
Naphthalene	NELAP	0 004		**0 006**	mg/Kg-dry	1	4/8/2008 4 21 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.163**	mg/Kg-dry	1	4/8/2008 4 21 00 PM	TDN
Pyrene	NELAP	0 004		**0 200**	mg/Kg-dry	1	4/8/2008 4 21 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**49.9**	%REC	1	4/8/2008 4 21 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**57 3**	%REC	1	4/8/2008 4 21 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**77 4**	%REC	1	4/8/2008 4 21 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 5		**ND**	µg/Kg-dry	1	4/10/2008 10 52 00 AM	JSA
Ethylbenzene	NELAP	7 3		**ND**	µg/Kg-dry	1	4/10/2008 10 52 00 AM	JSA
Toluene	NELAP	7 3		**ND**	µg/Kg-dry	1	4/10/2008 10 52 00 AM	JSA
Xylenes, Total	NELAP	7 3		**ND**	µg/Kg-dry	1	4/10/2008 10 52 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**102.0**	%REC	1	4/10/2008 10 52 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**96.1**	%REC	1	4/10/2008 10 52 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**98.9**	%REC	1	4/10/2008 10 52 00 AM	JSA
Surr Toluene-d8		80 1-122		**97.9**	%REC	1	4/10/2008 10 52 00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-031
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-838 (9-10 ft)
Collection Date: 4/4/2008 11.31:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**18 2**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**81.8**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 48 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 48 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 48 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 48 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 48 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 48 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 48 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 48 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 48 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 48 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 48 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 48 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 48 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 48 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 48 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 9 48 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**49.7**	%REC	1	4/8/2008 9 48 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**52.7**	%REC	1	4/8/2008 9 48 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**68.1**	%REC	1	4/8/2008 9 48 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 0		**2 7**	µg/Kg-dry	1	4/10/2008 11 22 00 AM	JSA
Ethylbenzene	NELAP	4 9	J	**1.8**	µg/Kg-dry	1	4/10/2008 11 22 00 AM	JSA
Toluene	NELAP	4 9		**6.4**	µg/Kg-dry	1	4/10/2008 11 22 00 AM	JSA
Xylenes, Total	NELAP	4 9	J	**3 5**	µg/Kg-dry	1	4/10/2008 11 22 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**69.1**	%REC	1	4/10/2008 11 22 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**111.6**	%REC	1	4/10/2008 11 22 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**69 5**	%REC	1	4/10/2008 11 22 00 AM	JSA
Surr Toluene-d8		80 1-122		**103.5**	%REC	1	4/10/2008 11 22 00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-032
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-838 (15-16 ft)
Collection Date: 4/4/2008 12:16:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**12.1**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**87.9**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 369		**36 8**	mg/Kg-dry	50	4/8/2008 4 57 00 PM	TDN
Acenaphthylene	NELAP	0 369		**12 7**	mg/Kg-dry	50	4/8/2008 4 57 00 PM	TDN
Anthracene	NELAP	0 369		**27.6**	mg/Kg-dry	50	4/8/2008 4 57 00 PM	TDN
Benzo(a)anthracene	NELAP	0 369		**17.1**	mg/Kg-dry	50	4/8/2008 4 57 00 PM	TDN
Benzo(a)pyrene	NELAP	0 369		**14 1**	mg/Kg-dry	50	4/8/2008 4 57 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 369		**14.0**	mg/Kg-dry	50	4/8/2008 4 57 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 369		**5 31**	mg/Kg-dry	50	4/8/2008 4 57 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 369		**5.34**	mg/Kg-dry	50	4/8/2008 4 57 00 PM	TDN
Chrysene	NELAP	0 369		**15 3**	mg/Kg-dry	50	4/8/2008 4 57 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 369		**1 79**	mg/Kg-dry	50	4/8/2008 4 57 00 PM	TDN
Fluoranthene	NELAP	0 369		**41 2**	mg/Kg-dry	50	4/8/2008 4 57 00 PM	TDN
Fluorene	NELAP	0 369		**31 3**	mg/Kg-dry	50	4/8/2008 4 57 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 369		**5 10**	mg/Kg-dry	50	4/8/2008 4 57 00 PM	TDN
Naphthalene	NELAP	1 85		**316**	mg/Kg-dry	250	4/9/2008 9 54 00 AM	TDN
Phenanthrene	NELAP	0 369		**79.9**	mg/Kg-dry	50	4/8/2008 4 57 00 PM	TDN
Pyrene	NELAP	0 369		**38.8**	mg/Kg-dry	50	4/8/2008 4 57 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**69.9**	%REC	50	4/8/2008 4 57 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**59.9**	%REC	50	4/8/2008 4 57 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**79.8**	%REC	50	4/8/2008 4 57 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	38 2		**1960**	µg/Kg-dry	25	4/10/2008 5 18 00 AM	JSA
Ethylbenzene	NELAP	191		**2830**	µg/Kg-dry	25	4/10/2008 5 18 00 AM	JSA
Toluene	NELAP	191		**4330**	µg/Kg-dry	25	4/10/2008 5 18 00 AM	JSA
Xylenes, Total	NELAP	191		**10800**	µg/Kg-dry	25	4/10/2008 5 18 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**101.2**	%REC	25	4/10/2008 5 18 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**108.2**	%REC	25	4/10/2008 5 18 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**100.6**	%REC	25	4/10/2008 5 18 00 AM	JSA
Surr Toluene-d8		80 1-122		**109.7**	%REC	25	4/10/2008 5 18 00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX· 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-033
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-838 (29-30 ft)
Collection Date: 4/4/2008 12:52:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**10 4**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**89.6**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0.052**	mg/Kg-dry	1	4/8/2008 5 33 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0 021**	mg/Kg-dry	1	4/8/2008 5 33 00 PM	TDN
Anthracene	NELAP	0 004		**0 045**	mg/Kg-dry	1	4/8/2008 5 33 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.034**	mg/Kg-dry	1	4/8/2008 5 33 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0 027**	mg/Kg-dry	1	4/8/2008 5 33 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.028**	mg/Kg-dry	1	4/8/2008 5 33 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.012**	mg/Kg-dry	1	4/8/2008 5 33 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.010**	mg/Kg-dry	1	4/8/2008 5 33 00 PM	TDN
Chrysene	NELAP	0 004		**0.030**	mg/Kg-dry	1	4/8/2008 5 33 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0 004**	mg/Kg-dry	1	4/8/2008 5 33 00 PM	TDN
Fluoranthene	NELAP	0 004		**0.078**	mg/Kg-dry	1	4/8/2008 5 33 00 PM	TDN
Fluorene	NELAP	0 004		**0.049**	mg/Kg-dry	1	4/8/2008 5 33 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0 011**	mg/Kg-dry	1	4/8/2008 5 33 00 PM	TDN
Naphthalene	NELAP	0 004		**0 388**	mg/Kg-dry	1	4/8/2008 5 33 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.149**	mg/Kg-dry	1	4/8/2008 5 33 00 PM	TDN
Pyrene	NELAP	0 004		**0.073**	mg/Kg-dry	1	4/8/2008 5 33 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**57.7**	%REC	1	4/8/2008 5 33 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**57.9**	%REC	1	4/8/2008 5 33 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**71.1**	%REC	1	4/8/2008 5 33 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**1.5**	µg/Kg-dry	1	4/10/2008 11 51 00 AM	JSA
Ethylbenzene	NELAP	3 9	J	**0 9**	µg/Kg-dry	1	4/10/2008 11 51 00 AM	JSA
Toluene	NELAP	3 9	J	**2.1**	µg/Kg-dry	1	4/10/2008 11 51 00 AM	JSA
Xylenes, Total	NELAP	3 9	J	**2.9**	µg/Kg-dry	1	4/10/2008 11 51 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**98.3**	%REC	1	4/10/2008 11 51 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**80 5**	%REC	1	4/10/2008 11 51 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**99 2**	%REC	1	4/10/2008 11 51 00 AM	JSA
Surr Toluene-d8		80 1-122		**94.0**	%REC	1	4/10/2008 11 51 00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-034
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-820 (8.5-9.5 ft)
Collection Date: 4/4/2008 1:41:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**22.6**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**77.4**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 11:43:00 PM	TDN
Acenaphthylene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 11:43:00 PM	TDN
Anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 11:43:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 11:43:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 11:43:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 11:43:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 11:43:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 11:43:00 PM	TDN
Chrysene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 11:43:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 11:43:00 PM	TDN
Fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 11:43:00 PM	TDN
Fluorene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 11:43:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 11:43:00 PM	TDN
Naphthalene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 11:43:00 PM	TDN
Phenanthrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 11:43:00 PM	TDN
Pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/8/2008 11:43:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		**53.7**	%REC	1	4/8/2008 11:43:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		**54.7**	%REC	1	4/8/2008 11:43:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		**70.3**	%REC	1	4/8/2008 11:43:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.0		**ND**	µg/Kg-dry	1	4/10/2008 12:21:00 PM	JSA
Ethylbenzene	NELAP	5.1		**ND**	µg/Kg-dry	1	4/10/2008 12:21:00 PM	JSA
Toluene	NELAP	5.1		**ND**	µg/Kg-dry	1	4/10/2008 12:21:00 PM	JSA
Xylenes, Total	NELAP	5.1		**ND**	µg/Kg-dry	1	4/10/2008 12:21:00 PM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		**102.3**	%REC	1	4/10/2008 12:21:00 PM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		**96.9**	%REC	1	4/10/2008 12:21:00 PM	JSA
Surr: Dibromofluoromethane		66.6-130		**99.8**	%REC	1	4/10/2008 12:21:00 PM	JSA
Surr: Toluene-d8		80.1-122		**98.5**	%REC	1	4/10/2008 12:21:00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-035
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-820 (1-2 ft)
Collection Date: 4/4/2008 2:41:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19.7**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80.3**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 08 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0.011**	mg/Kg-dry	1	4/8/2008 6 08 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 08 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0 008**	mg/Kg-dry	1	4/8/2008 6 08 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0 006**	mg/Kg-dry	1	4/8/2008 6 08 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0 017**	mg/Kg-dry	1	4/8/2008 6 08 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0 012**	mg/Kg-dry	1	4/8/2008 6 08 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.006**	mg/Kg-dry	1	4/8/2008 6 08 00 PM	TDN
Chrysene	NELAP	0 004		**0.008**	mg/Kg-dry	1	4/8/2008 6 08 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 08 00 PM	TDN
Fluoranthene	NELAP	0 004		**0.012**	mg/Kg-dry	1	4/8/2008 6 08 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/8/2008 6 08 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.010**	mg/Kg-dry	1	4/8/2008 6 08 00 PM	TDN
Naphthalene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/8/2008 6 08 00 PM	TDN
Phenanthrene	NELAP	0 004		**0 007**	mg/Kg-dry	1	4/8/2008 6 08 00 PM	TDN
Pyrene	NELAP	0 004		**0.014**	mg/Kg-dry	1	4/8/2008 6 08 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**54.5**	%REC	1	4/8/2008 6 08 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**57.1**	%REC	1	4/8/2008 6 08 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**62 7**	%REC	1	4/8/2008 6 08 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**1.3**	µg/Kg-dry	1	4/10/2008 12 52 00 PM	JSA
Ethylbenzene	NELAP	6 0		**ND**	µg/Kg-dry	1	4/10/2008 12 52 00 PM	JSA
Toluene	NELAP	6 0		**ND**	µg/Kg-dry	1	4/10/2008 12 52 00 PM	JSA
Xylenes, Total	NELAP	6 0		**ND**	µg/Kg-dry	1	4/10/2008 12 52 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**102.7**	%REC	1	4/10/2008 12 52 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**90 8**	%REC	1	4/10/2008 12 52 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**98.8**	%REC	1	4/10/2008 12 52 00 PM	JSA
Surr Toluene-d8		80 1-122		**97.3**	%REC	1	4/10/2008 12 52 00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040238
Lab ID: 08040238-036
Report Date: 11-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-820 (25-26 ft)
Collection Date: 4/4/2008 2:53:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**11.1**	%	1	4/7/2008	HMH
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**88.9**	%	1	4/7/2008	HMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 12 21 00 AM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 12 21 00 AM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 12 21 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 12 21 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 12 21 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 12 21 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 12 21 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 12 21 00 AM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 12 21 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 12 21 00 AM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 12 21 00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 12 21 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 12 21 00 AM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 12 21 00 AM	TDN
Phenanthrene	NELAP	0 004		**0 007**	mg/Kg-dry	1	4/9/2008 12 21 00 AM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/9/2008 12 21 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**49 7**	%REC	1	4/9/2008 12 21 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**49.9**	%REC	1	4/9/2008 12 21 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**67.3**	%REC	1	4/9/2008 12 21 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**1 7**	µg/Kg-dry	1	4/10/2008 1 22 00 PM	JSA
Ethylbenzene	NELAP	4 6		**ND**	µg/Kg-dry	1	4/10/2008 1 22 00 PM	JSA
Toluene	NELAP	4 6	J	**1.7**	µg/Kg-dry	1	4/10/2008 1 22 00 PM	JSA
Xylenes, Total	NELAP	4 6		**ND**	µg/Kg-dry	1	4/10/2008 1 22 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**96.7**	%REC	1	4/10/2008 1 22 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**80.6**	%REC	1	4/10/2008 1 22 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**98.4**	%REC	1	4/10/2008 1 22 00 PM	JSA
Surr Toluene-d8		80 1-122		**91.8**	%REC	1	4/10/2008 1 22 00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

Client: Philip Environmental

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238
Report Date: 11-Apr-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040238-001A	B-824 (1-3 ft)	4/4/2008	Solid	SW-846 3050B, 6010B, Metals by ICP	4/8/2008	4/9/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040238-001B				ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 9010B, 9014	4/7/2008	4/8/2008
				SW-846 9014A	4/7/2008	4/8/2008
08040238-001E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008
08040238-002A	B-824 (9-10 ft)			SW-846 3050B, 6010B, Metals by ICP	4/8/2008	4/9/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040238-002B				ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 9010B, 9014	4/7/2008	4/8/2008
				SW-846 9014A	4/7/2008	4/8/2008
08040238-002E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008
08040238-003A	B-824 (23-24 ft)			SW-846 3050B, 6010B, Metals by ICP	4/8/2008	4/9/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040238-003B				ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 9010B, 9014	4/7/2008	4/8/2008
				SW-846 9014A	4/7/2008	4/8/2008
08040238-003E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008
08040238-004A	B-821 (9-10 ft)			ASTM D2974		4/7/2008

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DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238
Report Date: 11-Apr-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040238-004A	B-821 (9-10 ft)	4/4/2008	Solid	Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040238-004D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008
08040238-005A	B-821 (0 5-3 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040238-005D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008
040238-006A	B-821 (19-20 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040238-006D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008
08040238-007A	B-835 (28-29 ft)	4/3/2008		SW-846 3050B, 6010B, Metals by ICP	4/8/2008	4/9/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
08040238-007B				ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 9010B, 9014	4/7/2008	4/8/2008
				SW-846 9014A	4/7/2008	4/8/2008
08040238-007E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008
08040238-008A	B-825 (2-3 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/7/2008
040238-008D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008

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DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238
Report Date: 11-Apr-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040238-009A	B-825 (8-9 ft)	4/3/2008	Solid	ASTM D2974		4/8/2008
				Standard Methods 18th Ed 2540 G		4/8/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040238-009D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008
08040238-010A	B-825 (18-19 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
040238-010D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008
08040238-011A	B-825 (25-26 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3050B, 6010B, Metals by ICP	4/8/2008	4/9/2008
				SW-846 9010B, 9014	4/7/2008	4/8/2008
				SW-846 9014A	4/7/2008	4/8/2008
08040238-012A	B-826 (2-3 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040238-012D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008
08040238-013A	B-826 (8-9 ft)			ASTM D2974		4/8/2008
				Standard Methods 18th Ed 2540 G		4/8/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
				SW-846 9045C		4/10/2008
040238-013D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008

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Client: Philip Environmental

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238
Report Date: 11-Apr-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040238-014A	B-826 (16-17 ft)	4/3/2008	Solid	ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
				SW-846 9045C		4/10/2008
08040238-014D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008
08040238-015A	B-828 (2-3 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040238-015D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008
08040238-016A	B-828-DUP (2-3 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040238-016D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-017A	B-828 (9-10 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040238-017D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-018A	B-828 (12-13 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040238-018D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/9/2008
3040238-019A	B-828 (17-18 ft)			ASTM D2974		4/7/2008

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DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238
Report Date: 11-Apr-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040238-019A	B-828 (17-18 ft)	4/3/2008	Solid	Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040238-019D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-020A	B-830 (2-3 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040238-020D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-021A	B-830 (8-9 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040238-021D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-022A	B-830 (28-30 ft)			SW-846 3050B, 6010B, Metals by ICP	4/8/2008	4/9/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040238-022B				ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 9010B, 9014	4/7/2008	4/8/2008
				SW-846 9014A	4/7/2008	4/8/2008
08040238-022E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-023A	B-831 (1-3 ft)			SW-846 3050B, 6010B, Metals by ICP	4/8/2008	4/9/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040238-023B				ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238
Report Date: 11-Apr-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040238-023B	B-831 (1-3 ft)	4/3/2008	Solid	SW-846 9010B, 9014	4/7/2008	4/8/2008
				SW-846 9014A	4/7/2008	4/8/2008
08040238-023E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-024A	B-831 (9-10 ft)			SW-846 3050B, 6010B, Metals by ICP	4/8/2008	4/9/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/9/2008
08040238-024B				ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 9010B, 9014	4/7/2008	4/8/2008
				SW-846 9014A	4/7/2008	4/8/2008
08040238-024E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-025A	B-831 (10 5-12 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040238-025D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-026A	B-831 (18-20 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/9/2008
08040238-026D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-027A	B-832 (2-3 ft)	4/4/2008		ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238
Report Date: 11-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040238-027D	B-832 (2-3 ft)	4/4/2008	Solid	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-028A	B-832 (7-8 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/9/2008
08040238-028D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-029A	B-832 (20-21 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/9/2008
08040238-029D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-030A	B-838 (1-2 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040238-030D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-031A	B-838 (9-10 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040238-031D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-032A	B-838 (15-16 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/9/2008
08040238-032D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238
Report Date: 11-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040238-033A	B-838 (29-30 ft)	4/4/2008	Solid	ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040238-033D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-034A	B-820 (8 5-9 5 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
040238-034D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-035A	B-820 (1-2 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/8/2008
08040238-035D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008
08040238-036A	B-820 (25-26 ft)			ASTM D2974		4/7/2008
				Standard Methods 18th Ed 2540 G		4/7/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/7/2008	4/9/2008
08040238-036D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/9/2008	4/10/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238 **Report Date:** *11-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_ACN_S_MT

Sample ID	**MB-43951**	SampType	**MBLK**			Units	**mg/Kg**		Prep Date	**4/7/2008**		RunNo	**106595**	
Client ID	**ZZZZZZ**	Batch ID	**43951**				**SOP2092**		Analysis Date	**4/8/2008**		SeqNo	**1903757**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Cyanide, Amenable to Chlorination		< 0 01	0 01											

Sample ID	**LCS-43951**	SampType	**LCS**			Units	**mg/Kg**		Prep Date	**4/7/2008**		RunNo	**106595**	
Client ID	**ZZZZZZ**	Batch ID	**43951**				**SOP2092**		Analysis Date	**4/8/2008**		SeqNo	**1903758**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Cyanide, Amenable to Chlorination		0 20	0 01	0 2000	0	101 4	85	115						

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238 **Report Date:** *11-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TCN_S_MT

Sample ID	08040238-007BMS	SampType	MS			Units	mg/Kg-dry	Prep Date	4/7/2008		RunNo	106589	
Client ID	B-835 (28-29 ft)MS	Batch ID	43953				SW9010	Analysis Date	4/8/2008		SeqNo	1903714	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		6 46	0 55	5 472	0 5890	107 2	80	120					

Sample ID	08040238-007BMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date	4/7/2008		RunNo	106589	
Client ID	B-835 (28-29 ft)MSD	Batch ID	43953				SW9010	Analysis Date	4/8/2008		SeqNo	1903715	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		6 05	0 51	5 142	0 5890	106 2	80	120	6 458	6 56	20		

Sample ID	MB-43953	SampType	MBLK			Units	mg/Kg	Prep Date	4/7/2008		RunNo	106589	
Client ID	ZZZZZZ	Batch ID	43953				SW9010	Analysis Date	4/8/2008		SeqNo	1904431	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		< 0 01	0 01										

Sample ID	LCS-43953	SampType	LCS			Units	mg/Kg	Prep Date	4/7/2008		RunNo	106589	
Client ID	ZZZZZZ	Batch ID	43953				SW9010	Analysis Date	4/8/2008		SeqNo	1904432	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		0 20	0 01	0 2000	0	101 4	85	115					

Sample ID	LCSD-43953	SampType	LCSD			Units	mg/Kg	Prep Date	4/7/2008		RunNo	106589	
Client ID	ZZZZZZ	Batch ID	43953				SW9010	Analysis Date	4/8/2008		SeqNo	1904433	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		0 20	0 01	0 2000	0	98 5	85	115	0 2027	2 91	15		

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238 **Report Date:** *11-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TS_M_MT

Sample ID	**LCS-R106529**	SampType	**LCS**			Units	**%**	Prep Date		RunNo	**106529**	
Client ID	**ZZZZZZ**	Batch ID	**R106529**					Analysis Date	**4/7/2008**	SeqNo	**1902345**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids		1 0	0 1	1 000	0	99 0	90	110				

Sample ID	**LCSQC**	SampType	**LCSQC**			Units	**%**	Prep Date		RunNo	**106529**	
Client ID	**ZZZZZZ**	Batch ID	**R106529**					Analysis Date	**4/7/2008**	SeqNo	**1902346**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids		1 0	0 1	1 000	0	99 0	90	110				

Sample ID	**LCS-R106529**	SampType	**LCS**			Units	**%**	Prep Date		RunNo	**106529**	
Client ID	**ZZZZZZ**	Batch ID	**R106529**					Analysis Date	**4/7/2008**	SeqNo	**1902349**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids		1 0	0 1	1 000	0	100	90	110				

Sample ID	**LCSQC**	SampType	**LCSQC**			Units	**%**	Prep Date		RunNo	**106529**	
Client ID	**ZZZZZZ**	Batch ID	**R106529**					Analysis Date	**4/7/2008**	SeqNo	**1902350**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids		1 0	0 1	1 000	0	100	90	110				

Sample ID	**08040238-005ADUP**	SampType	**DUP**			Units	**%**	Prep Date		RunNo	**106529**	
Client ID	**B-821 (0 5-3 ft)DUP**	Batch ID	**R106529**					Analysis Date	**4/7/2008**	SeqNo	**1902390**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids		82 2	0 1						82 47	0 340	15	

Sample ID	**08040238-026ADUP**	SampType	**DUP**			Units	**%**	Prep Date		RunNo	**106529**	
Client ID	**B-831 (18-20 ft)DUP**	Batch ID	**R106529**					Analysis Date	**4/7/2008**	SeqNo	**1902410**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238 **Report Date:** *11-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TS_M_MT

Sample ID	08040238-026ADUP	SampType	DUP			Units	%	Prep Date		RunNo	106529	
Client ID	B-831 (18-20 ft)DUP	Batch ID	R106529					Analysis Date	4/7/2008	SeqNo	1902410	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids		89 5	0 1						89 17	0 325	15	

Sample ID	LCS-R106561	SampType	LCS			Units	%	Prep Date		RunNo	106561	
Client ID	ZZZZZZ	Batch ID	R106561					Analysis Date	4/8/2008	SeqNo	1903133	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids		1 0	0 1	1 000	0	100	90	110				

Sample ID	LCSQC	SampType	LCSQC			Units	%	Prep Date		RunNo	106561	
Client ID	ZZZZZZ	Batch ID	R106561					Analysis Date	4/8/2008	SeqNo	1903134	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids		1 0	0 1	1 000	0	100	90	110				

Sample ID	08040238-013ADUP	SampType	DUP			Units	%	Prep Date		RunNo	106561	
Client ID	B-826 (8-9 ft)DUP	Batch ID	R106561					Analysis Date	4/8/2008	SeqNo	1903137	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids		83 3	0 1						84 16	1 03	15	

ANALYTICAL QC SUMMARY REPORT

TestCode: L_PH_S_M

Sample ID	**LCS-R106646**	SampType	**LCS**			Units		Prep Date		RunNo	**106646**	
Client ID	**ZZZZZZ**	Batch ID	**R106646**					Analysis Date	**4/10/2008**	SeqNo	**1904984**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH (1 1)		7 01	1 00	7 000	0	100 1	99 1	100 9				

Sample ID	**08040238-014ADUP**	SampType	**DUP**			Units		Prep Date		RunNo	**106646**	
Client ID	**B-826 (16-17 ft)DUP**	Batch ID	**R106646**					Analysis Date	**4/10/2008**	SeqNo	**1904987**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH (1 1)		8 15	1 00						8 210	0 733	10	

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238 Report Date: *11-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_SOLIDS_ICP

Sample ID	MB-43905	SampType	MBLK	Units	mg/Kg-dry	Prep Date	4/8/2008	RunNo	106552
Client ID	ZZZZZZ	Batch ID	43905		SOP 3032	Analysis Date	4/9/2008	SeqNo	1903271

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 2 50	2 50	2 500	0	0	-100	100				
Chromium	< 1 00	1 00	1 000	0	0	-100	100				
Lead	< 4 00	4 00	4 000	0	0	-100	100				

Sample ID	LCS-43905	SampType	LCS	Units	mg/Kg-dry	Prep Date	4/8/2008	RunNo	106552
Client ID	ZZZZZZ	Batch ID	43905		SOP 3032	Analysis Date	4/9/2008	SeqNo	1903272

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	208	2 50	200 0	0	103 9	85	115				
Chromium	20 6	1 00	20 00	0	102 9	85	115				
Lead	49 6	4 00	50 00	0	99 2	85	115				

Sample ID	08040238-003AMS	SampType	MS	Units	mg/Kg-dry	Prep Date	4/8/2008	RunNo	106552
Client ID	B-824 (23-24 ft)MS	Batch ID	43905		SOP 3032	Analysis Date	4/9/2008	SeqNo	1903277

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	190	2 45	196 1	8 176	92 8	75	125				
Chromium	33 3	0 98	19 61	15 49	90 8	75	125				
Lead	48 9	3 92	49 02	10 52	78 3	75	125				

Sample ID	08040238-003AMSD	SampType	MSD	Units	mg/Kg-dry	Prep Date	4/8/2008	RunNo	106552
Client ID	B-824 (23-24 ft)MSD	Batch ID	43905		SOP 3032	Analysis Date	4/9/2008	SeqNo	1903278

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	192	2 45	196 1	8 176	93 6	75	125	190 1	0 873	20	
Chromium	31 4	0 98	19 61	15 49	81 1	75	125	33 29	5 88	20	
Lead	47 8	3 92	49 02	10 52	76 0	75	125	48 89	2 31	20	

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID	MB-43881	SampType	MBLK	Units	mg/Kg	Prep Date	4/7/2008	RunNo	106478
Client ID	ZZZZZZ	Batch ID	43881		SW3550B	Analysis Date	4/7/2008	SeqNo	1901585

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 003									
Acenaphthylene	ND	0 003									
Anthracene	ND	0 003									
Benzo(a)anthracene	ND	0 003									
Benzo(a)pyrene	ND	0 003									
Benzo(b)fluoranthene	ND	0 003									
Benzo(g,h,i)perylene	ND	0 003									
Benzo(k)fluoranthene	ND	0 003									
Chrysene	ND	0 003									
Dibenzo(a,h)anthracene	ND	0 003									
Fluoranthene	ND	0 003									
Fluorene	ND	0 003									
Indeno(1,2,3-cd)pyrene	ND	0 003									
Naphthalene	ND	0 003									
Phenanthrene	ND	0 003									
Pyrene	ND	0 003									
Surr 2-Fluorobiphenyl	0 123		0 1670		73 9	17 5	123				
Surr Nitrobenzene-d5	0 114		0 1670		68 1	35	105				
Surr p-Terphenyl-d14	0 124		0 1670		74 5	53 6	122				

Sample ID	LCS-43881	SampType	LCS	Units	mg/Kg	Prep Date	4/7/2008	RunNo	106478
Client ID	ZZZZZZ	Batch ID	43881		SW3550B	Analysis Date	4/7/2008	SeqNo	1901586

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 110	0 003	0 1670	0	66 1	56 3	115				
Acenaphthylene	0 134	0 003	0 1670	0	80 5	60 3	143				
Anthracene	0 106	0 003	0 1670	0	63 2	52 1	109				
Benzo(a)anthracene	0 109	0 003	0 1670	0	65 0	52 8	112				
Benzo(a)pyrene	0 111	0 003	0 1670	0	66 6	40 8	127				
Benzo(b)fluoranthene	0 126	0 003	0 1670	0	75 3	50 1	150				
Benzo(g,h,i)perylene	0 123	0 003	0 1670	0	73 6	52 8	145				

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID	LCS-43881	SampType	LCS	Units	mg/Kg	Prep Date	4/7/2008	RunNo	106478
Client ID	ZZZZZZ	Batch ID	43881		SW3550B	Analysis Date	4/7/2008	SeqNo	1901586

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0 128	0 003	0 1670	0	76 9	52	153				
Chrysene	0 120	0 003	0 1670	0	71 6	60 8	128				
Dibenzo(a,h)anthracene	0 122	0 003	0 1670	0	73 1	54 9	150				
Fluoranthene	0 114	0 003	0 1670	0	68 4	58 7	125				
Fluorene	0 116	0 003	0 1670	0	69 6	57 8	125				
Indeno(1,2,3-cd)pyrene	0 120	0 003	0 1670	0	71 9	52	147				
Naphthalene	0 091	0 003	0 1670	0	54 7	54 8	113				S
Phenanthrene	0 115	0 003	0 1670	0	68 8	60 4	121				
Pyrene	0 117	0 003	0 1670	0	70 2	57 9	129				
Surr 2-Fluorobiphenyl	0 115		0 1670		69 1	35 3	113				
Surr Nitrobenzene-d5	0 106		0 1670		63 7	33 9	108				
Surr p-Terphenyl-d14	0 118		0 1670		70 7	58 4	122				

Sample ID	MB-43897	SampType	MBLK	Units	mg/Kg	Prep Date	4/7/2008	RunNo	106538
Client ID	ZZZZZZ	Batch ID	43897		SW3550B	Analysis Date	4/8/2008	SeqNo	1902677

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 003									
Acenaphthylene	ND	0 003									
Anthracene	ND	0 003									
Benzo(a)anthracene	ND	0 003									
Benzo(a)pyrene	ND	0 003									
Benzo(b)fluoranthene	ND	0 003									
Benzo(g,h,i)perylene	ND	0 003									
Benzo(k)fluoranthene	ND	0 003									
Chrysene	ND	0 003									
Dibenzo(a,h)anthracene	ND	0 003									
Fluoranthene	ND	0 003									
Fluorene	ND	0 003									
Indeno(1,2,3-cd)pyrene	ND	0 003									
Naphthalene	ND	0 003									

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID	MB-43897	SampType	MBLK	Units	mg/Kg	Prep Date	4/7/2008	RunNo	106538
Client ID	ZZZZZZ	Batch ID	43897		SW3550B	Analysis Date	4/8/2008	SeqNo	1902677

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	ND	0 003									
Pyrene	ND	0 003									
Surr 2-Fluorobiphenyl	0 118		0 1670		70 5	17 5	123				
Surr Nitrobenzene-d5	0 108		0 1670		64 7	35	105				
Surr p-Terphenyl-d14	0 126		0 1670		75 2	53 6	122				

Sample ID	LCS-43897	SampType	LCS	Units	mg/Kg	Prep Date	4/7/2008	RunNo	106538
Client ID	ZZZZZZ	Batch ID	43897		SW3550B	Analysis Date	4/8/2008	SeqNo	1902678

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 123	0 003	0 1670	0	73 7	56 3	115				
Acenaphthylene	0 144	0 003	0 1670	0	85 9	60 3	143				
Anthracene	0 120	0 003	0 1670	0	72 0	52 1	109				
Benzo(a)anthracene	0 128	0 003	0 1670	0	76 7	52 8	112				
Benzo(a)pyrene	0 126	0 003	0 1670	0	75 7	40 8	127				
Benzo(b)fluoranthene	0 138	0 003	0 1670	0	82 9	50 1	150				
Benzo(g,h,i)perylene	0 139	0 003	0 1670	0	83 4	52 8	145				
Benzo(k)fluoranthene	0 142	0 003	0 1670	0	84 9	52	153				
Chrysene	0 145	0 003	0 1670	0	87 1	60 8	128				
Dibenzo(a,h)anthracene	0 142	0 003	0 1670	0	85 1	54 9	150				
Fluoranthene	0 124	0 003	0 1670	0	74 0	58 7	125				
Fluorene	0 130	0 003	0 1670	0	77 6	57 8	125				
Indeno(1,2,3-cd)pyrene	0 139	0 003	0 1670	0	83 2	52	147				
Naphthalene	0 111	0 003	0 1670	0	66 4	54 8	113				
Phenanthrene	0 130	0 003	0 1670	0	77 7	60 4	121				
Pyrene	0 130	0 003	0 1670	0	77 7	57 9	129				
Surr 2-Fluorobiphenyl	0 113		0 1670		67 5	35 3	113				
Surr Nitrobenzene-d5	0 112		0 1670		66 9	33 9	108				
Surr p-Terphenyl-d14	0 120		0 1670		71 7	58 4	122				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238 **Report Date:** *11-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID **MB-43900**	SampType **MBLK**			Units **mg/Kg**		Prep Date **4/7/2008**		RunNo **106538**		
Client ID **ZZZZZZ**	Batch ID **43900**			**SW3550B**		Analysis Date **4/8/2008**		SeqNo **1902679**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 003									
Acenaphthylene	ND	0 003									
Anthracene	ND	0 003									
Benzo(a)anthracene	ND	0 003									
Benzo(a)pyrene	ND	0 003									
Benzo(b)fluoranthene	ND	0 003									
Benzo(g,h,i)perylene	ND	0 003									
Benzo(k)fluoranthene	ND	0 003									
Chrysene	ND	0 003									
Dibenzo(a,h)anthracene	ND	0 003									
Fluoranthene	ND	0 003									
Fluorene	ND	0 003									
Indeno(1,2,3-cd)pyrene	ND	0 003									
Naphthalene	ND	0 003									
Phenanthrene	ND	0 003									
Pyrene	ND	0 003									
Surr 2-Fluorobiphenyl	0 127		0 1670		76 2	17 5	123				
Surr Nitrobenzene-d5	0 107		0 1670		64 3	35	105				
Surr p-Terphenyl-d14	0 144		0 1670		86 0	53 6	122				

Sample ID **LCS-43900**	SampType **LCS**			Units **mg/Kg**		Prep Date **4/7/2008**		RunNo **106538**		
Client ID **ZZZZZZ**	Batch ID **43900**			**SW3550B**		Analysis Date **4/8/2008**		SeqNo **1902680**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 130	0 003	0 1670	0	78 0	56 3	115				
Acenaphthylene	0 148	0 003	0 1670	0	88 5	60 3	143				
Anthracene	0 124	0 003	0 1670	0	74 4	52 1	109				
Benzo(a)anthracene	0 130	0 003	0 1670	0	77 9	52 8	112				
Benzo(a)pyrene	0 131	0 003	0 1670	0	78 6	40 8	127				
Benzo(b)fluoranthene	0 144	0 003	0 1670	0	86 0	50 1	150				
Benzo(g,h,i)perylene	0 144	0 003	0 1670	0	86 2	52 8	145				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238 **Report Date:** *11-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID	LCS-43900	SampType	LCS			Units	mg/Kg	Prep Date	4/7/2008		RunNo	106538
Client ID	ZZZZZZ	Batch ID	43900				SW3550B	Analysis Date	4/8/2008		SeqNo	1902680

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0 144	0 003	0 1670	0	86 5	52	153				
Chrysene	0 143	0 003	0 1670	0	85 8	60 8	128				
Dibenzo(a,h)anthracene	0 146	0 003	0 1670	0	87 5	54 9	150				
Fluoranthene	0 133	0 003	0 1670	0	79 4	58 7	125				
Fluorene	0 134	0 003	0 1670	0	80 2	57 8	125				
Indeno(1,2,3-cd)pyrene	0 144	0 003	0 1670	0	86 4	52	147				
Naphthalene	0 113	0 003	0 1670	0	67 8	54 8	113				
Phenanthrene	0 137	0 003	0 1670	0	81 8	60 4	121				
Pyrene	0 138	0 003	0 1670	0	82 4	57 9	129				
Surr 2-Fluorobiphenyl	0 114		0 1670		68 1	35 3	113				
Surr Nitrobenzene-d5	0 112		0 1670		67 1	33 9	108				
Surr p-Terphenyl-d14	0 127		0 1670		76 2	58 4	122				

Sample ID	08040238-010AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	4/7/2008		RunNo	106538
Client ID	B-825 (18-19 ft)MS	Batch ID	43897				SW3550B	Analysis Date	4/8/2008		SeqNo	1902682

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 120	0 004	0 1854	0	64 9	36	135				
Acenaphthylene	0 140	0 004	0 1854	0	75 4	17 2	167				
Anthracene	0 123	0 004	0 1854	0	66 6	39 3	124				
Benzo(a)anthracene	0 130	0 004	0 1854	0	70 2	10	183				
Benzo(a)pyrene	0 133	0 004	0 1854	0	71 9	10	204				
Benzo(b)fluoranthene	0 142	0 004	0 1854	0	76 6	10 6	178				
Benzo(g,h,i)perylene	0 144	0 004	0 1854	0	77 5	10	168				
Benzo(k)fluoranthene	0 145	0 004	0 1854	0	78 4	27 6	181				
Chrysene	0 148	0 004	0 1854	0	79 9	10	176				
Dibenzo(a,h)anthracene	0 148	0 004	0 1854	0	80 0	12 2	156				
Fluoranthene	0 129	0 004	0 1854	0	69 4	10	227				
Fluorene	0 123	0 004	0 1854	0	66 3	35 2	148				
Indeno(1,2,3-cd)pyrene	0 142	0 004	0 1854	0	76 8	10	164				
Naphthalene	0 108	0 004	0 1854	0	58 4	14 7	128				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238 **Report Date:** *11-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID	08040238-010AMS	SampType	MS	Units	mg/Kg-dry	Prep Date	4/7/2008	RunNo	106538
Client ID	B-825 (18-19 ft)MS	Batch ID	43897		SW3550B	Analysis Date	4/8/2008	SeqNo	1902682

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	0 136	0 004	0 1854	0	73 6	32 8	143				
Pyrene	0 136	0 004	0 1854	0	73 4	10	180				
Surr 2-Fluorobiphenyl	0 124		0 1854		66 9	10	131				
Surr Nitrobenzene-d5	0 117		0 1854		63 3	10	132				
Surr p-Terphenyl-d14	0 132		0 1854		71 1	30 6	131				

Sample ID	08040238-010AMSD	SampType	MSD	Units	mg/Kg-dry	Prep Date	4/7/2008	RunNo	106538
Client ID	B-825 (18-19 ft)MSD	Batch ID	43897		SW3550B	Analysis Date	4/8/2008	SeqNo	1902683

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 121	0 004	0 1876	0	64 6	36	135	0 1203	0 696	49 7	
Acenaphthylene	0 143	0 004	0 1876	0	76 0	17 2	167	0 1398	1 98	33 3	
Anthracene	0 121	0 004	0 1876	0	64 7	39 3	124	0 1235	1 70	51 1	
Benzo(a)anthracene	0 129	0 004	0 1876	0	68 8	10	183	0 1302	0 881	40 6	
Benzo(a)pyrene	0 129	0 004	0 1876	0	68 7	10	204	0 1333	3 44	56 4	
Benzo(b)fluoranthene	0 143	0 004	0 1876	0	76 4	10 6	178	0 1420	0 924	49 7	
Benzo(g,h,i)perylene	0 149	0 004	0 1876	0	79 4	10	168	0 1438	3 60	36 5	
Benzo(k)fluoranthene	0 147	0 004	0 1876	0	78 3	27 6	181	0 1454	0 980	42 6	
Chrysene	0 148	0 004	0 1876	0	79 1	10	176	0 1481	0 129	45 1	
Dibenzo(a,h)anthracene	0 150	0 004	0 1876	0	79 9	12 2	156	0 1484	1 01	39 9	
Fluoranthene	0 126	0 004	0 1876	0	67 2	10	227	0 1287	2 00	66 2	
Fluorene	0 129	0 004	0 1876	0	68 6	35 2	148	0 1229	4 62	65 6	
Indeno(1,2,3-cd)pyrene	0 147	0 004	0 1876	0	78 6	10	164	0 1424	3 50	36 5	
Naphthalene	0 106	0 004	0 1876	0	56 3	14 7	128	0 1083	2 46	39 6	
Phenanthrene	0 134	0 004	0 1876	0	71 3	32 8	143	0 1364	2 01	35 4	
Pyrene	0 132	0 004	0 1876	0	70 4	10	180	0 1361	3 04	60 1	
Surr 2-Fluorobiphenyl	0 128		0 1876		68 1	10	131		0	40	
Surr Nitrobenzene-d5	0 118		0 1876		62 9	10	132		0	40	
Surr p-Terphenyl-d14	0 137		0 1876		73 3	30 6	131		0	40	

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID	08040238-031AMS	SampType	MS	Units	mg/Kg-dry	Prep Date	4/7/2008	RunNo	106538
Client ID	B-838 (9-10 ft)MS	Batch ID	43900		SW3550B	Analysis Date	4/8/2008	SeqNo	1902918

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 124	0 004	0 2020	0	61 2	36	135				
Acenaphthylene	0 139	0 004	0 2020	0	68 6	17 2	167				
Anthracene	0 120	0 004	0 2020	0	59 2	39 3	124				
Benzo(a)anthracene	0 126	0 004	0 2020	0	62 4	10	183				
Benzo(a)pyrene	0 130	0 004	0 2020	0	64 6	10	204				
Benzo(b)fluoranthene	0 143	0 004	0 2020	0	71 0	10 6	178				
Benzo(g,h,i)perylene	0 139	0 004	0 2020	0	68 9	10	168				
Benzo(k)fluoranthene	0 147	0 004	0 2020	0	73 0	27 6	181				
Chrysene	0 144	0 004	0 2020	0	71 2	10	176				
Dibenzo(a,h)anthracene	0 143	0 004	0 2020	0	70 8	12 2	156				
Fluoranthene	0 124	0 004	0 2020	0	61 3	10	227				
Fluorene	0 125	0 004	0 2020	0	61 8	35 2	148				
Indeno(1,2,3-cd)pyrene	0 141	0 004	0 2020	0	69 9	10	164				
Naphthalene	0 101	0 004	0 2020	0	49 9	14 7	128				
Phenanthrene	0 130	0 004	0 2020	0	64 6	32 8	143				
Pyrene	0 129	0 004	0 2020	0	63 7	10	180				
Surr 2-Fluorobiphenyl	0 121		0 2020		59 7	10	131				
Surr Nitrobenzene-d5	0 112		0 2020		55 5	10	132				
Surr p-Terphenyl-d14	0 132		0 2020		65 3	30 6	131				

Sample ID	08040238-031AMSD	SampType	MSD	Units	mg/Kg-dry	Prep Date	4/7/2008	RunNo	106538
Client ID	B-838 (9-10 ft)MSD	Batch ID	43900		SW3550B	Analysis Date	4/8/2008	SeqNo	1902919

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 131	0 004	0 2037	0	64 2	36	135	0 1236	5 57	49 7	
Acenaphthylene	0 155	0 004	0 2037	0	75 9	17 2	167	0 1386	11 0	33 3	
Anthracene	0 125	0 004	0 2037	0	61 4	39 3	124	0 1196	4 53	51 1	
Benzo(a)anthracene	0 137	0 004	0 2037	0	67 0	10	183	0 1261	7 98	40 6	
Benzo(a)pyrene	0 136	0 004	0 2037	0	66 8	10	204	0 1304	4 24	56 4	
Benzo(b)fluoranthene	0 148	0 004	0 2037	0	72 7	10 6	178	0 1434	3 20	49 7	
Benzo(g,h,i)perylene	0 144	0 004	0 2037	0	70 9	10	168	0 1391	3 69	36 5	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238 **Report Date:** *11-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID	08040238-031AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date	4/7/2008			RunNo	106538	
Client ID	B-838 (9-10 ft)MSD	Batch ID	43900				SW3550B	Analysis Date	4/8/2008			SeqNo	1902919	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzo(k)fluoranthene		0 155	0 004	0 2037	0	75 9	27 6	181	0 1475	4 80	42 6			
Chrysene		0 155	0 004	0 2037	0	76 0	10	176	0 1438	7 42	45 1			
Dibenzo(a,h)anthracene		0 150	0 004	0 2037	0	73 8	12 2	156	0 1430	4 95	39 9			
Fluoranthene		0 136	0 004	0 2037	0	66 7	10	227	0 1239	9 25	66 2			
Fluorene		0 137	0 004	0 2037	0	67 4	35 2	148	0 1249	9 48	65 6			
Indeno(1,2,3-cd)pyrene		0 148	0 004	0 2037	0	72 6	10	164	0 1411	4 73	36 5			
Naphthalene		0 112	0 004	0 2037	0	54 9	14 7	128	0 1008	10 5	39 6			
Phenanthrene		0 137	0 004	0 2037	0	67 2	32 8	143	0 1305	4 89	35 4			
Pyrene		0 139	0 004	0 2037	0	68 3	10	180	0 1287	7 81	60 1			
Surr	2-Fluorobiphenyl	0 111		0 2037		54 3	10	131		0	40			
Surr	Nitrobenzene-d5	0 105		0 2037		51 3	10	132		0	40			
Surr	p-Terphenyl-d14	0 137		0 2037		67 1	30 6	131		0	40			

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238 **Report Date:** *11-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID	LCS-G080409-1	SampType	LCS			Units	µg/Kg		Prep Date	4/9/2008		RunNo	106598	
Client ID	ZZZZZZ	Batch ID	43954				SW5035		Analysis Date	4/9/2008		SeqNo	1903869	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene		48 5	1 0	50 00	0	97 0	75	123						
Toluene		48 3	5 0	50 00	0	96 7	77 3	117						
Ethylbenzene		50 7	5 0	50 00	0	101 4	80 8	118						
Xylenes, Total		101	5 0	100 0	0	100 9	78 5	121						
Surr 1,2-Dichloroethane-d4		46 7		50 00		93 3	61	128						
Surr 4-Bromofluorobenzene		49 4		50 00		98 8	78 2	117						
Surr Dibromofluoromethane		48 8		50 00		97 6	66 6	130						
Surr Toluene-d8		49 4		50 00		98 9	80 1	122						

Sample ID	LCSD-G080409-1	SampType	LCSD			Units	µg/Kg		Prep Date	4/9/2008		RunNo	106598	
Client ID	ZZZZZZ	Batch ID	43954				SW5035		Analysis Date	4/9/2008		SeqNo	1903870	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene		52 0	1 0	50 00	0	103 9	75	123	48 50	6 91	20			
Toluene		51 7	5 0	50 00	0	103 4	77 3	117	48 33	6 74	20			
Ethylbenzene		53 6	5 0	50 00	0	107 2	80 8	118	50 72	5 48	20			
Xylenes, Total		107	5 0	100 0	0	106 7	78 5	121	100 9	5 65	20			
Surr 1,2-Dichloroethane-d4		48 2		50 00		96 5	61	128		0	0			
Surr 4-Bromofluorobenzene		49 3		50 00		98 6	78 2	117		0	0			
Surr Dibromofluoromethane		49 5		50 00		99 0	66 6	130		0	0			
Surr Toluene-d8		48 6		50 00		97 2	80 1	122		0	0			

Sample ID	MBLK-G080409-1	SampType	MBLK			Units	µg/Kg		Prep Date	4/9/2008		RunNo	106598	
Client ID	ZZZZZZ	Batch ID	43954				SW5035		Analysis Date	4/9/2008		SeqNo	1903871	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene		ND	1 0											
Toluene		ND	5 0											
Ethylbenzene		ND	5 0											
Xylenes, Total		ND	5 0											

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238 **Report Date:** *11-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID **MBLK-G080409-1**	SampType **MBLK**			Units **µg/Kg**		Prep Date **4/9/2008**		RunNo **106598**		
Client ID **ZZZZZZ**	Batch ID **43954**			**SW5035**		Analysis Date **4/9/2008**		SeqNo **1903871**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr 1,2-Dichloroethane-d4	46 9		50 00		93 9	61	128				
Surr 4-Bromofluorobenzene	48 7		50 00		97 4	78 2	117				
Surr Dibromofluoromethane	47 9		50 00		95 8	66 6	130				
Surr Toluene-d8	49 0		50 00		98 1	80 1	122				

Sample ID **LCS-G080409-2**	SampType **LCS**			Units **µg/Kg**		Prep Date **4/9/2008**		RunNo **106631**		
Client ID **ZZZZZZ**	Batch ID **43970**			**SW5035**		Analysis Date **4/10/2008**		SeqNo **1904640**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48 1	1 0	50 00	0	96 3	75	123				
Toluene	46 7	5 0	50 00	0	93 5	77 3	117				
Ethylbenzene	47 0	5 0	50 00	0	94 1	80 8	118				
Xylenes, Total	93 6	5 0	100 0	0	93 6	78 5	121				
Surr 1,2-Dichloroethane-d4	47 5		50 00		94 9	61	128				
Surr 4-Bromofluorobenzene	49 7		50 00		99 4	78 2	117				
Surr Dibromofluoromethane	49 1		50 00		98 2	66 6	130				
Surr Toluene-d8	48 6		50 00		97 3	80 1	122				

Sample ID **LCSD-G080409-2**	SampType **LCSD**			Units **µg/Kg**		Prep Date **4/9/2008**		RunNo **106631**		
Client ID **ZZZZZZ**	Batch ID **43970**			**SW5035**		Analysis Date **4/10/2008**		SeqNo **1904641**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47 4	1 0	50 00	0	94 8	75	123	48 13	1 49	20	
Toluene	46 0	5 0	50 00	0	92 1	77 3	117	46 73	1 49	20	
Ethylbenzene	46 8	5 0	50 00	0	93 7	80 8	118	47 03	0 405	20	
Xylenes, Total	92 4	5 0	100 0	0	92 4	78 5	121	93 56	1 30	20	
Surr 1,2-Dichloroethane-d4	47 7		50 00		95 4	61	128		0	0	
Surr 4-Bromofluorobenzene	49 6		50 00		99 1	78 2	117		0	0	
Surr Dibromofluoromethane	49 3		50 00		98 6	66 6	130		0	0	
Surr Toluene-d8	48 9		50 00		97 7	80 1	122		0	0	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238 **Report Date:** *11-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID	**MBLK-G080409-2**	SampType	**MBLK**			Units	**µg/Kg**	Prep Date	**4/9/2008**	RunNo	**106631**
Client ID	**ZZZZZZ**	Batch ID	**43970**				**SW5035**	Analysis Date	**4/10/2008**	SeqNo	**1904642**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1 0									
Toluene	ND	5 0									
Ethylbenzene	ND	5 0									
Xylenes, Total	ND	5 0									
Surr 1,2-Dichloroethane-d4	47 1		50 00		94 2	61	128				
Surr 4-Bromofluorobenzene	49 2		50 00		98 3	78 2	117				
Surr Dibromofluoromethane	48 2		50 00		96 4	66 6	130				
Surr Toluene-d8	48 4		50 00		96 9	80 1	122				

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

RECEIVING CHECK LIST

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040238
Report Date: 11-Apr-08

Carrier: Leslie Hoosier

Received By: EC

Completed by: Marvin L. Darling II
On: 07-Apr-08
Marvin L Darling

Reviewed by: Elizabeth A. Hurley
On: 07-Apr-08
Elizabeth A Hurley

Pages to follow | Chain of custody: 5 | Extra pages included: 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 2 6
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑	
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0 1°C - 6 0°C, or when samples are received on ice the same day as collected

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Any No responses must be detailed below or on the COC

Chain of Custody Record

08040

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230
(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 08870

Project Name: AmorenIP Champaign **Project Mgr.:** Derek Ingram
Project Number: 62403053 **Cost Code:** 024501
Sampler(s): L. Hoosier
Laboratory Name: Teklab
Location: Collinsville IL

Laboratory Temperature upon Receipt: 2.6 ice

Analyses by Method Name and Number

Sample Number and (depth)	Date	Time	Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX 5035 8260B	PAH 8270SIMS	Metals *	Cyanide 9010 9014	FOC D2974-87	pH 9045C					Comments (Field PID)	Lab ID #'s
B-824 (1'-3')	4-4	0937	X					6	X	X	X	X							*Metals-arsenic,	08040238-001
B-824 (9'-10')	4-4	1016	X					6	X	X	X	X							chromium,	-002
B-824 (23'-24')	4-4	1053	X					6	X	X	X	X							lead	-003
B-821 (9'-10')	4-4	1145	X					5	X	X										-004
B-821 (0.5'-3.0)	4-4	1122	X					5	X	X									Cyanide-total	-005
B-821 (19'-20')	4-4	1242	X					5	X	X									and amenable	-006

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT: ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: Derek Ingram
Send Invoice to:
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines
Reporting Limits:
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Leslie Hoosier	4-4-08	1730

Received by:

Signature	Date	Time
[signature]	4/4/08	1730

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

Chain of Custody Rec[illegible]

08040[illegible]

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 08871

Project Name: Ameren FP Champaign **Project Mgr.:** Derek Ingram
Project Number: 62403053 **Cost Code:** 024501
Sampler(s): L. Hoosier / R. Huson
Laboratory Name: TekLab
Location: Collinsville, IL

Laboratory Temperature upon Receipt: 4.8 ice

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX 5035 8260B	PAH 8270 SIM	Metals *	Cyanide	foc D2974-00	pH 9045C	Comments (Field PID)	Lab ID #'s
B835 (28'-29')	4/3	0915	X					6	X	X	X	X			*metals - arsenic	0804038-007
B 825 (2.0'-3.0')	4/3	1043	X					5	X	X					chromium, lead	-008
B 825 (8.0'-9.0')	4/3	1111	X					5	X	X						-009
B 825 (18.0'-19.0')	4/3	1133	X					5	X	X					Cyanide - total	-010
B825 (25.0'-26.0')	4/3	1151	X					1			X	X			and amenable	-011
B826 (2.0'-3.0')	4/3	1311	X					5	X	X						-012
B826 (8.0'-9.0')	4/3	1330	X					5	X	X			X			-013
B826 (16.0'-17.0')	4/3	1352	X					5	X	X			X			-014

Samples Iced: ☐ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: Derek Ingram
Send Invoice to:
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Leslie Hoosier	4-4-08	1730

Received by:

Signature	Date	Time
[signature]	4/4/08	1730

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

08040.

COC Serial No. B 08872

Project Name: AmerenIP Champaign Project Mgr.: Derek Ingram
Project Number: 62403053 Cost Code: 024501
Sampler(s): L. Hoosier / R. Huson
Laboratory Name: Test-lab
Laboratory Location: Collinsville, IL

Laboratory Temperature upon Receipt: 4.8 ICE

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	Analyses by Method Name and Number: BTEX 8260B (5035)	PAH 8270SIM	Metals *	Cyanide (ex D2474-87)	pH 9045C	Comments (Field PID)	Lab ID #'s
B828 (2.0'-3.0')	4/3	1453	X					5	X	X				*metals-	08040238-015
B828-Dup (2.0'-3.0')	4/3	1453	X					5	X	X				arsenic, chromium,	-016
B828 (9.0'-10.0')	4/3	1519	X					5	X	X				lead	-017
~~B828 (12.0'-13.0')~~															
B828 (12.0'-13.0')	4/3	1541	X					5	X	X				cyanide-total	-018
B828 (17.0'-18.0')	4/3	1600	X					5	X	X				and amenable	-019

pH

Samples Iced: ☐ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics . . . . . Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) . . . . . Sodium Bisulfate/Methanol
- ☐ TPH . . . . . Hydrochlonc acid and/or Sulfuric acid
- ☐ Metals . . . . . Nitric acid (HNO_3)
- ☐ Cyanide . . . . . Sodium hydroxide (NaOH)
- ☐ Other (Specify) . . . . . _____

Lab Directives:

Requested TAT: ☐ Rush ☐ 5 Days ☒ STD ☐ Other _____
Fax and/or Mail Results to: Derek Ingram
Send Invoice to. _____
QC Deliverable Requested. ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____
Special Guidelines. _____
Reporting Limits: _____
* Special: _____

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Leslie Hoosier	4-4-08	1730

Received by:

Signature	Date	Time
	4/4/08	1730

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

Chain of Custody Record

08046

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 08874

Project Name: AmerenIP Champaign Project Mgr.: Derek Ingram
Project Number: 62403053 Cost Code: 024501
Sampler(s): L. Hoosier
Laboratory Name: TekLab
Laboratory Location: Collinsville IL

Laboratory Temperature upon Receipt: 2.6 ice

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	Analyses by Method Name and Number: BTEX 5035 8260B	PAH 8270 SIMS	Metals*	Cyanide 9010 9014	Flashpoint D2974-87	PH 9045C	Comments (Field PID)	Lab ID #'s
B-830 (2.0'-3.0')	4-3	1159	X					5	X	X					Metals - arsenic, chromium, lead	08040238-020
B-830 (8'-9')	4-3	1221	X					5	X	X						-021
B-830 (28'-30')	4-3	1453	X					6	X	X	X	X				-022
B-831 (1.0'-3.0')	4-3	1549	X					6	X	X	X	X				-023
B-831 (9.0'-10.0')	4-3	1619	X					6	X	X	X	X				-024
B-831 (10.5'-12.0')	4-3	1655	X					5	X	X						-025
B-831 (18'-20')	4-3	1717	X					5	X	X						-026

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT: ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: Derek Ingram
Send Invoice to:
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines.
Reporting Limits
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Leslie Hoosier	4-4-08	1730

Received by:

Signature	Date	Time
[signature]	4/4/08	1730

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

Chain of Custody Record

08040:

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 08869

Project Name: AmerenIP Champaign **Project Mgr.:** Derek Ingram
Project Number: 62403053 **Cost Code:** 024501
Sampler(s): R. Hixson
Laboratory Name: Texlab
Location: Collinsville, IL

Laboratory Temperature upon Receipt: 1.4 ice

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX 5035	PAH 8270SIMS	Metals *	Cyanide	foc D2974-87	pH 9045C	Comments (Field PID)	Lab ID #'s
B832 (2.0'-3.0')	4-4	0853	X					5	X	X					* metals - arsenic,	08040238-027
B832 (7.0'-8.0')	4-4	0901	X					5	X	X					chromium, lead	-028
B832 (20.0'-21.0')	4-4	0940	X					5	X	X						-029
B838 (1.0'-2.0')	4-4	1120	X					5	X	X					cyanide - total	-030
B838 (9.0-10.0')	4-4	1131	X					5	X	X					and amenable	-031
B838 (15.0-16.0')	4-4	1246	X					5	X	X						-032
B838 (29.0-30.0')	4-4	1252	X					5	X	X						-033
B-820 (8.5'-9.5')	4-4	1341	X					5	X	X						-034
B-820 (1.0'-2.0')	4-4	1441	X					5	X	X						-035
B-820 (25.0'-26.0')	4-4	1453	X					5	X	X						-036

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT: ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: Derek Ingram
Send Invoice to:
QC Deliverable Requested. ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special.

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Leslie Hoosier	4-4-08	1730

Received by:

Signature	Date	Time

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

PE-179 (6/03)

Shaded Areas to be Completed by Lab

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

April 23, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH
NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign 62403053 **WorkOrder:** 08040620

Dear Derek Ingram:

TEKLAB, INC received 16 samples on 4/16/2008 10:00:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL· 618-344-1004
FAX 618-344-1005

Client: Philip Environmental

SAMPLE SUMMARY

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040620
Report Date: 23-Apr-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08040620-001	B-837 (0 5 ft-2 0 ft)	4	4/14/2008 9 55:00 AM
08040620-002	B-837 (9 ft-10 ft)	4	4/14/2008 9·55:00 AM
08040620-003	B-837 (12 ft- 13 ft)	4	4/14/2008 10 45.00 AM
08040620-004	B-800 (2 ft-3 ft)	4	4/14/2008 12:15.00 PM
08040620-005	B-800 (9 ft-10 ft)	4	4/14/2008 12.40.00 PM
08040620-006	B-800 (11.5 ft- 12 5 ft)	4	4/14/2008 1.00 00 PM
08040620-007	B-839 (2 0 ft- 3 0 ft)	4	4/14/2008 5 25 00 PM
08040620-008	B-839 (6 0 ft- 7 0 ft)	4	4/14/2008 5·36·00 PM
08040620-009	B-839 (16.0 ft- 17 0 ft)	4	4/14/2008 6 12 00 PM
08040620-010	B-802 (2 0 ft-3 0 ft)	4	4/15/2008 8 50 00 AM
08040620-011	B-802 (8 5 ft-10 0 ft)	4	4/15/2008 9·15 00 AM
08040620-012	B-802 (14.5 ft- 15.5 ft)	4	4/15/2008 9 50 00 AM
08040620-013	B-802 (25 ft- 26 ft)	4	4/15/2008 10·20 00 AM
08040620-014	B-840 (1 ft- 2 ft)	4	4/15/2008 10·50 00 AM
08040620-015	B-840 (7 ft- 8 ft)	4	4/15/2008 11·15·00 AM
08040620-016	B-840 (18 ft-19 ft)	4	4/15/2008 11 45 00 AM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

Client: Philip Environmental

CASE NARRATIVE

Project: A831-735002-012901-225/IP Champaign 62403053

LabOrder: 08040620

Report Date: 23-Apr-08

Cooler Receipt Temp: 4.4 °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	**#** - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-001
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-837 (0.5 ft-2.0 ft)
Collection Date: 4/14/2008 9:55:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19.5**	%	1	4/16/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80.5**	%	1	4/16/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**5.95**	mg/Kg-dry	1	4/21/2008 9 51 48 AM	LAL
Chromium	NELAP	1 00		**19.0**	mg/Kg-dry	1	4/18/2008 7 12 34 PM	CRK
Lead	NELAP	4 00		**85.2**	mg/Kg-dry	1	4/18/2008 7 12 34 PM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 021		**ND**	mg/Kg-dry	5	4/17/2008 2 19 00 PM	TDN
Acenaphthylene	NELAP	0 021		**0 137**	mg/Kg-dry	5	4/17/2008 2 19 00 PM	TDN
Anthracene	NELAP	0 021		**0 108**	mg/Kg-dry	5	4/17/2008 2 19 00 PM	TDN
Benzo(a)anthracene	NELAP	0 021	S	**0.664**	mg/Kg-dry	5	4/17/2008 2 19 00 PM	TDN
Benzo(a)pyrene	NELAP	0 021	S	**0.785**	mg/Kg-dry	5	4/17/2008 2 19 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 021	S	**0 986**	mg/Kg-dry	5	4/17/2008 2 19 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 021	S	**0.509**	mg/Kg-dry	5	4/17/2008 2 19 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 021	S	**0.357**	mg/Kg-dry	5	4/17/2008 2 19 00 PM	TDN
Chrysene	NELAP	0 021	S	**0 697**	mg/Kg-dry	5	4/17/2008 2 19 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 021		**0 165**	mg/Kg-dry	5	4/17/2008 2 19 00 PM	TDN
Fluoranthene	NELAP	0 021	S	**0.980**	mg/Kg-dry	5	4/17/2008 2 19 00 PM	TDN
Fluorene	NELAP	0 021	J	**0.020**	mg/Kg-dry	5	4/17/2008 2 19 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 021	S	**0.484**	mg/Kg-dry	5	4/17/2008 2 19 00 PM	TDN
Naphthalene	NELAP	0 021		**0.059**	mg/Kg-dry	5	4/17/2008 2 19 00 PM	TDN
Phenanthrene	NELAP	0 021	S	**0 343**	mg/Kg-dry	5	4/17/2008 2 19 00 PM	TDN
Pyrene	NELAP	0 021	S	**0.878**	mg/Kg-dry	5	4/17/2008 2 19 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**61.9**	%REC	5	4/17/2008 2 19 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**56.9**	%REC	5	4/17/2008 2 19 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**66.9**	%REC	5	4/17/2008 2 19 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 1		**1.3**	µg/Kg-dry	1	4/17/2008 8 48 00 PM	JSA
Ethylbenzene	NELAP	5 4		**ND**	µg/Kg-dry	1	4/17/2008 8 48 00 PM	JSA
Toluene	NELAP	5 4	J	**1.5**	µg/Kg-dry	1	4/17/2008 8 48 00 PM	JSA
Xylenes, Total	NELAP	5 4	J	**1.1**	µg/Kg-dry	1	4/17/2008 8 48 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**91.2**	%REC	1	4/17/2008 8 48 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**94.5**	%REC	1	4/17/2008 8 48 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**94.1**	%REC	1	4/17/2008 8 48 00 PM	JSA
Surr Toluene-d8		80 1-122		**97.7**	%REC	1	4/17/2008 8 48 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 59	J	**0 48**	mg/Kg-dry	1	4/18/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-001
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-837 (0.5 ft-2 0 ft)
Collection Date: 4/14/2008 9:55:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 59		**Interference**	mg/Kg-dry	1	4/18/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Matrix spike did not recover within control limits because of sample composition

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-002
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-837 (9 ft-10 ft)
Collection Date: 4/14/2008 9:55:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19.2**	%	1	4/16/2008	TWM
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80.8**	%	1	4/16/2008	TWM
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**6.37**	mg/Kg-dry	1	4/21/2008 9 58 33 AM	LAL
Chromium	NELAP	1 00		**24.4**	mg/Kg-dry	1	4/18/2008 7 16 47 PM	CRK
Lead	NELAP	4 00		**17.9**	mg/Kg-dry	1	4/18/2008 7 16 47 PM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 2 24 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 2 24 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 2 24 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 2 24 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 2 24 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 2 24 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 2 24 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 2 24 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 2 24 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 2 24 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 2 24 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 2 24 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 2 24 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 2 24 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 2 24 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 2 24 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**54.7**	%REC	1	4/17/2008 2 24 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**49.3**	%REC	1	4/17/2008 2 24 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**71.1**	%REC	1	4/17/2008 2 24 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**3.4**	µg/Kg-dry	1	4/17/2008 9 19 00 PM	JSA
Ethylbenzene	NELAP	3 9		**ND**	µg/Kg-dry	1	4/17/2008 9 19 00 PM	JSA
Toluene	NELAP	3 9	J	**1.4**	µg/Kg-dry	1	4/17/2008 9 19 00 PM	JSA
Xylenes, Total	NELAP	3 9	J	**1.1**	µg/Kg-dry	1	4/17/2008 9 19 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**86.7**	%REC	1	4/17/2008 9 19 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**92.2**	%REC	1	4/17/2008 9 19 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**93.5**	%REC	1	4/17/2008 9 19 00 PM	JSA
Surr Toluene-d8		80 1-122		**97.3**	%REC	1	4/17/2008 9 19 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 61		**< 0.61**	mg/Kg-dry	1	4/18/2008	AET

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-002
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-837 (9 ft-10 ft)
Collection Date: 4/14/2008 9:55:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 61		**< 0.61**	mg/Kg-dry	1	4/18/2008	AET

Sample Narrative

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-003
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-837 (12 ft- 13 ft)
Collection Date: 4/14/2008 10:45 00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**17.4**	%	1	4/16/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**82.6**	%	1	4/16/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 11 22 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 11 22 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 11 22 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 11 22 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 11 22 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 11 22 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 11 22 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 11 22 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 11 22 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 11 22 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 11 22 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 11 22 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 11 22 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 11 22 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 11 22 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 11 22 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**51.1**	%REC	1	4/17/2008 11 22 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**46.5**	%REC	1	4/17/2008 11 22 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**67.3**	%REC	1	4/17/2008 11 22 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**3 3**	µg/Kg-dry	1	4/17/2008 9 50 00 PM	JSA
Ethylbenzene	NELAP	4 7	J	**1.8**	µg/Kg-dry	1	4/17/2008 9 50 00 PM	JSA
Toluene	NELAP	4 7		**6.0**	µg/Kg-dry	1	4/17/2008 9 50 00 PM	JSA
Xylenes, Total	NELAP	4 7	J	**3.6**	µg/Kg-dry	1	4/17/2008 9 50 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**66.0**	%REC	1	4/17/2008 9 50 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**111.5**	%REC	1	4/17/2008 9 50 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**76 7**	%REC	1	4/17/2008 9 50 00 PM	JSA
Surr Toluene-d8		80 1-122		**101.3**	%REC	1	4/17/2008 9 50 00 PM	JSA

Sample Narrative

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-004
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-800 (2 ft-3 ft)
Collection Date: 4/14/2008 12 15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
FOC (0 58 conversion factor)		0 10		**3 55**	wt%	1	4/16/2008	TWN
Organic Matter		0 10		**6.13**	wt%	1	4/16/2008	TWN
Percent Moisture		0 1		**20.2**	%	1	4/16/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**79 8**	%	1	4/16/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 107		**ND**	mg/Kg-dry	25	4/17/2008 4 02 00 PM	TDN
Acenaphthylene	NELAP	0 107		**1.43**	mg/Kg-dry	25	4/17/2008 4 02 00 PM	TDN
Anthracene	NELAP	0 107	J	**0 10**	mg/Kg-dry	25	4/17/2008 4 02 00 PM	TDN
Benzo(a)anthracene	NELAP	0 107		**1 12**	mg/Kg-dry	25	4/17/2008 4 02 00 PM	TDN
Benzo(a)pyrene	NELAP	0 107		**2 42**	mg/Kg-dry	25	4/17/2008 4 02 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 107		**2.50**	mg/Kg-dry	25	4/17/2008 4 02 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 107		**1 65**	mg/Kg-dry	25	4/17/2008 4 02 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 107		**0.943**	mg/Kg-dry	25	4/17/2008 4 02 00 PM	TDN
Chrysene	NELAP	0 107		**1.19**	mg/Kg-dry	25	4/17/2008 4 02 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 107		**0.495**	mg/Kg-dry	25	4/17/2008 4 02 00 PM	TDN
Fluoranthene	NELAP	0 107		**0.876**	mg/Kg-dry	25	4/17/2008 4 02 00 PM	TDN
Fluorene	NELAP	0 107		**ND**	mg/Kg-dry	25	4/17/2008 4 02 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 107		**1.43**	mg/Kg-dry	25	4/17/2008 4 02 00 PM	TDN
Naphthalene	NELAP	0 107		**ND**	mg/Kg-dry	25	4/17/2008 4 02 00 PM	TDN
Phenanthrene	NELAP	0 107		**0.206**	mg/Kg-dry	25	4/17/2008 4 02 00 PM	TDN
Pyrene	NELAP	0 107		**1.31**	mg/Kg-dry	25	4/17/2008 4 02 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**44.9**	%REC	25	4/17/2008 4 02 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**44 9**	%REC	25	4/17/2008 4 02 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**64.9**	%REC	25	4/17/2008 4 02 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**2.0**	µg/Kg-dry	1	4/17/2008 10 20 00 PM	JSA
Ethylbenzene	NELAP	5 9		**ND**	µg/Kg-dry	1	4/17/2008 10 20 00 PM	JSA
Toluene	NELAP	5 9		**ND**	µg/Kg-dry	1	4/17/2008 10 20 00 PM	JSA
Xylenes, Total	NELAP	5 9		**ND**	µg/Kg-dry	1	4/17/2008 10 20 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**92.4**	%REC	1	4/17/2008 10 20 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**78.4**	%REC	1	4/17/2008 10 20 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**100.3**	%REC	1	4/17/2008 10 20 00 PM	JSA
Surr Toluene-d8		80 1-122		**92.5**	%REC	1	4/17/2008 10 20 00 PM	JSA
SW-846 9045C								
pH (1 1)	NELAP	1 00		**7.79**		1	4/17/2008 1 52 00 PM	NJK

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-004
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-800 (2 ft-3 ft)
Collection Date: 4/14/2008 12:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-005
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-800 (9 ft-10 ft)
Collection Date: 4/14/2008 12:40:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
FOC (0 58 conversion factor)		0 10		**0 51**	wt%	1	4/16/2008	TWN
Organic Matter		0 10		**0 87**	wt%	1	4/16/2008	TWN
Percent Moisture		0 1		**14.5**	%	1	4/16/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**85 5**	%	1	4/16/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 040		**ND**	mg/Kg-dry	10	4/17/2008 4 36 00 PM	TDN
Acenaphthylene	NELAP	0 040		**0.300**	mg/Kg-dry	10	4/17/2008 4 36 00 PM	TDN
Anthracene	NELAP	0 040		**0.304**	mg/Kg-dry	10	4/17/2008 4 36 00 PM	TDN
Benzo(a)anthracene	NELAP	0 040		**2.09**	mg/Kg-dry	10	4/17/2008 4 36 00 PM	TDN
Benzo(a)pyrene	NELAP	0 040		**2 56**	mg/Kg-dry	10	4/17/2008 4 36 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 040		**3.03**	mg/Kg-dry	10	4/17/2008 4 36 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 040		**1.41**	mg/Kg-dry	10	4/17/2008 4 36 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 040		**1 13**	mg/Kg-dry	10	4/17/2008 4 36 00 PM	TDN
Chrysene	NELAP	0 040		**2.17**	mg/Kg-dry	10	4/17/2008 4 36 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 040		**0.484**	mg/Kg-dry	10	4/17/2008 4 36 00 PM	TDN
Fluoranthene	NELAP	0 040		**3.14**	mg/Kg-dry	10	4/17/2008 4 36 00 PM	TDN
Fluorene	NELAP	0 040		**0 062**	mg/Kg-dry	10	4/17/2008 4 36 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 040		**1.42**	mg/Kg-dry	10	4/17/2008 4 36 00 PM	TDN
Naphthalene	NELAP	0 040		**0.177**	mg/Kg-dry	10	4/17/2008 4 36 00 PM	TDN
Phenanthrene	NELAP	0 040		**1.02**	mg/Kg-dry	10	4/17/2008 4 36 00 PM	TDN
Pyrene	NELAP	0 040		**3.02**	mg/Kg-dry	10	4/17/2008 4 36 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**53.9**	%REC	10	4/17/2008 4 36 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**49.9**	%REC	10	4/17/2008 4 36 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**63.9**	%REC	10	4/17/2008 4 36 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**1.8**	µg/Kg-dry	1	4/17/2008 10 51 00 PM	JSA
Ethylbenzene	NELAP	4 5		**ND**	µg/Kg-dry	1	4/17/2008 10 51 00 PM	JSA
Toluene	NELAP	4 5	J	**3 4**	µg/Kg-dry	1	4/17/2008 10 51 00 PM	JSA
Xylenes, Total	NELAP	4 5	J	**1.1**	µg/Kg-dry	1	4/17/2008 10 51 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**63.4**	%REC	1	4/17/2008 10 51 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**100**	%REC	1	4/17/2008 10 51 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**66.8**	%REC	1	4/17/2008 10 51 00 PM	JSA
Surr Toluene-d8		80 1-122		**101.6**	%REC	1	4/17/2008 10 51 00 PM	JSA
SW-846 9045C								
pH (1 1)	NELAP	1 00		**7.86**		1	4/17/2008 1 55 00 PM	NJK

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-005
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-800 (9 ft-10 ft)
Collection Date: 4/14/2008 12.40 00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-006
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-800 (11.5 ft- 12 5 ft)
Collection Date: 4/14/2008 1:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
FOC (0 58 conversion factor)		0 10		**0.47**	wt%	1	4/16/2008	TWM
Organic Matter		0 10		**0.80**	wt%	1	4/16/2008	TWM
Percent Moisture		0 1		**13.3**	%	1	4/16/2008	TWM
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**86.7**	%	1	4/16/2008	TWM
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0.035**	mg/Kg-dry	1	4/17/2008 5 10 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0.085**	mg/Kg-dry	1	4/17/2008 5 10 00 PM	TDN
Anthracene	NELAP	0 004		**0.006**	mg/Kg-dry	1	4/17/2008 5 10 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.034**	mg/Kg-dry	1	4/17/2008 5 10 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.065**	mg/Kg-dry	1	4/17/2008 5 10 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.078**	mg/Kg-dry	1	4/17/2008 5 10 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.051**	mg/Kg-dry	1	4/17/2008 5 10 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0 027**	mg/Kg-dry	1	4/17/2008 5 10 00 PM	TDN
Chrysene	NELAP	0 004		**0.037**	mg/Kg-dry	1	4/17/2008 5 10 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0.015**	mg/Kg-dry	1	4/17/2008 5 10 00 PM	TDN
Fluoranthene	NELAP	0 004		**0.040**	mg/Kg-dry	1	4/17/2008 5 10 00 PM	TDN
Fluorene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/17/2008 5 10 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0 044**	mg/Kg-dry	1	4/17/2008 5 10 00 PM	TDN
Naphthalene	NELAP	0 004		**0.009**	mg/Kg-dry	1	4/17/2008 5 10 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.019**	mg/Kg-dry	1	4/17/2008 5 10 00 PM	TDN
Pyrene	NELAP	0 004		**0.056**	mg/Kg-dry	1	4/17/2008 5 10 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**49.3**	%REC	1	4/17/2008 5 10 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**44.9**	%REC	1	4/17/2008 5 10 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**60.1**	%REC	1	4/17/2008 5 10 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**3 1**	µg/Kg-dry	1	4/17/2008 11 21 00 PM	JSA
Ethylbenzene	NELAP	4 5	J	**1.7**	µg/Kg-dry	1	4/17/2008 11 21 00 PM	JSA
Toluene	NELAP	4 5		**5.8**	µg/Kg-dry	1	4/17/2008 11 21 00 PM	JSA
Xylenes, Total	NELAP	4 5		**4.5**	µg/Kg-dry	1	4/17/2008 11 21 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128	S	**59.9**	%REC	1	4/17/2008 11 21 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**96.1**	%REC	1	4/17/2008 11 21 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**68.6**	%REC	1	4/17/2008 11 21 00 PM	JSA
Surr Toluene-d8		80 1-122		**94.9**	%REC	1	4/17/2008 11 21 00 PM	JSA
SW-846 9045C								
pH (1 1)	NELAP	1 00		**8.14**		1	4/17/2008 2 00 00 PM	NJK

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-006
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-800 (11.5 ft- 12 5 ft)
Collection Date: 4/14/2008 1:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst

Sample Narrative

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-007
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-839 (2 0 ft- 3 0 ft)
Collection Date: 4/14/2008 5:25:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**21 3**	%	1	4/16/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**78 7**	%	1	4/16/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**5 34**	mg/Kg-dry	1	4/21/2008 10 18 45 AM	LAL
Chromium	NELAP	1 00		**32.2**	mg/Kg-dry	1	4/18/2008 7 38 48 PM	CRK
Lead	NELAP	4 00		**19.3**	mg/Kg-dry	1	4/18/2008 7 38 48 PM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/18/2008 2 37 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/18/2008 2 37 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/18/2008 2 37 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/18/2008 2 37 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/18/2008 2 37 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.006**	mg/Kg-dry	1	4/18/2008 2 37 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/18/2008 2 37 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/18/2008 2 37 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/18/2008 2 37 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/18/2008 2 37 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/18/2008 2 37 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/18/2008 2 37 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/18/2008 2 37 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/18/2008 2 37 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/18/2008 2 37 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/18/2008 2 37 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**36.9**	%REC	1	4/18/2008 2 37 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**43.1**	%REC	1	4/18/2008 2 37 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**58.1**	%REC	1	4/18/2008 2 37 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 4		**ND**	µg/Kg-dry	1	4/17/2008 11 51 00 PM	JSA
Ethylbenzene	NELAP	7 1		**ND**	µg/Kg-dry	1	4/17/2008 11 51 00 PM	JSA
Toluene	NELAP	7 1		**ND**	µg/Kg-dry	1	4/17/2008 11 51 00 PM	JSA
Xylenes, Total	NELAP	7 1		**ND**	µg/Kg-dry	1	4/17/2008 11 51 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**91 0**	%REC	1	4/17/2008 11 51 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**99 4**	%REC	1	4/17/2008 11 51 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**97.7**	%REC	1	4/17/2008 11 51 00 PM	JSA
Surr Toluene-d8		80 1-122		**98.2**	%REC	1	4/17/2008 11 51 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 62		**< 0.62**	mg/Kg-dry	1	4/18/2008	AET

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-007
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-839 (2.0 ft- 3.0 ft)
Collection Date: 4/14/2008 5.25:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 62		**< 0 62**	mg/Kg-dry	1	4/18/2008	AET

Sample Narrative

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-008
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-839 (6.0 ft- 7.0 ft)
Collection Date: 4/14/2008 5:36:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**18.7**	%	1	4/16/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**81.3**	%	1	4/16/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.50		**4.45**	mg/Kg-dry	1	4/21/2008 10:25:32 AM	LAL
Chromium	NELAP	1.00		**29.7**	mg/Kg-dry	1	4/18/2008 7:43:02 PM	CRK
Lead	NELAP	4.00		**16.9**	mg/Kg-dry	1	4/18/2008 7:43:02 PM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Acenaphthylene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Chrysene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Fluorene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Naphthalene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Phenanthrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/17/2008 3:00:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		**34.1**	%REC	1	4/17/2008 3:00:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		**33.9**	%REC	1	4/17/2008 3:00:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		**65.7**	%REC	1	4/17/2008 3:00:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.9		**ND**	µg/Kg-dry	1	4/18/2008 12:22:00 AM	JSA
Ethylbenzene	NELAP	4.3		**ND**	µg/Kg-dry	1	4/18/2008 12:22:00 AM	JSA
Toluene	NELAP	4.3		**ND**	µg/Kg-dry	1	4/18/2008 12:22:00 AM	JSA
Xylenes, Total	NELAP	4.3		**ND**	µg/Kg-dry	1	4/18/2008 12:22:00 AM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		**90.9**	%REC	1	4/18/2008 12:22:00 AM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		**99.9**	%REC	1	4/18/2008 12:22:00 AM	JSA
Surr: Dibromofluoromethane		66.6-130		**96.5**	%REC	1	4/18/2008 12:22:00 AM	JSA
Surr: Toluene-d8		80.1-122		**97.9**	%REC	1	4/18/2008 12:22:00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0.59		**< 0.59**	mg/Kg-dry	1	4/18/2008	AET

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-008
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-839 (6.0 ft- 7.0 ft)
Collection Date: 4/14/2008 5:36:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 59		**< 0.59**	mg/Kg-dry	1	4/18/2008	AET

Sample Narrative

TEKLAB, INC.

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COLLINSVILLE ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-009
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-839 (16 0 ft- 17.0 ft)
Collection Date: 4/14/2008 6.12:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**12 7**	%	1	4/16/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**87.3**	%	1	4/16/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 6 20 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 6 20 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 6 20 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 6 20 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 6 20 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 6 20 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/17/2008 6 20 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 6 20 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 6 20 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 6 20 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 6 20 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 6 20 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 6 20 00 PM	TDN
Naphthalene	NELAP	0 004		**0 008**	mg/Kg-dry	1	4/17/2008 6 20 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 6 20 00 PM	TDN
Pyrene	NELAP	0 004		**0.004**	mg/Kg-dry	1	4/17/2008 6 20 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**59 1**	%REC	1	4/17/2008 6 20 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**51.3**	%REC	1	4/17/2008 6 20 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**71 1**	%REC	1	4/17/2008 6 20 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**0.9**	µg/Kg-dry	1	4/18/2008 12 52 00 AM	JSA
Ethylbenzene	NELAP	3 8		**ND**	µg/Kg-dry	1	4/18/2008 12 52 00 AM	JSA
Toluene	NELAP	3 8	J	**0 9**	µg/Kg-dry	1	4/18/2008 12 52 00 AM	JSA
Xylenes, Total	NELAP	3 8		**ND**	µg/Kg-dry	1	4/18/2008 12 52 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**94 3**	%REC	1	4/18/2008 12 52 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**95.7**	%REC	1	4/18/2008 12 52 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**97.6**	%REC	1	4/18/2008 12 52 00 AM	JSA
Surr Toluene-d8		80 1-122		**96.4**	%REC	1	4/18/2008 12 52 00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-010
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-802 (2.0 ft-3 0 ft)
Collection Date: 4/15/2008 8:50:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**16.1**	%	1	4/16/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**83.9**	%	1	4/16/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 102		**ND**	mg/Kg-dry	25	4/17/2008 6 55 00 PM	TDN
Acenaphthylene	NELAP	0 102		**0.835**	mg/Kg-dry	25	4/17/2008 6 55 00 PM	TDN
Anthracene	NELAP	0 102		**0.452**	mg/Kg-dry	25	4/17/2008 6 55 00 PM	TDN
Benzo(a)anthracene	NELAP	0 102		**1 64**	mg/Kg-dry	25	4/17/2008 6 55 00 PM	TDN
Benzo(a)pyrene	NELAP	0 102		**2.04**	mg/Kg-dry	25	4/17/2008 6 55 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 102		**2.98**	mg/Kg-dry	25	4/17/2008 6 55 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 102		**1.33**	mg/Kg-dry	25	4/17/2008 6 55 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 102		**1.00**	mg/Kg-dry	25	4/17/2008 6 55 00 PM	TDN
Chrysene	NELAP	0 102		**1 80**	mg/Kg-dry	25	4/17/2008 6 55 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 102		**0.421**	mg/Kg-dry	25	4/17/2008 6 55 00 PM	TDN
Fluoranthene	NELAP	0 102		**3 67**	mg/Kg-dry	25	4/17/2008 6 55 00 PM	TDN
Fluorene	NELAP	0 102	J	**0.097**	mg/Kg-dry	25	4/17/2008 6 55 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 102		**1 22**	mg/Kg-dry	25	4/17/2008 6 55 00 PM	TDN
Naphthalene	NELAP	0 102		**0.122**	mg/Kg-dry	25	4/17/2008 6 55 00 PM	TDN
Phenanthrene	NELAP	0 102		**2.46**	mg/Kg-dry	25	4/17/2008 6 55 00 PM	TDN
Pyrene	NELAP	0 102		**4.21**	mg/Kg-dry	25	4/17/2008 6 55 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**44 9**	%REC	25	4/17/2008 6 55 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**34.9**	%REC	25	4/17/2008 6 55 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**64.9**	%REC	25	4/17/2008 6 55 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 4		**3 7**	µg/Kg-dry	1	4/18/2008 1 23 00 AM	JSA
Ethylbenzene	NELAP	7 0	J	**2.2**	µg/Kg-dry	1	4/18/2008 1 23 00 AM	JSA
Toluene	NELAP	7 0	J	**4.9**	µg/Kg-dry	1	4/18/2008 1 23 00 AM	JSA
Xylenes, Total	NELAP	7 0	J	**4.8**	µg/Kg-dry	1	4/18/2008 1 23 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**85.9**	%REC	1	4/18/2008 1 23 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117	S	**77.4**	%REC	1	4/18/2008 1 23 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**96.6**	%REC	1	4/18/2008 1 23 00 AM	JSA
Surr Toluene-d8		80 1-122		**92.3**	%REC	1	4/18/2008 1 23 00 AM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
Client Project: A831-735002-012901-225/IP Champ
WorkOrder: 08040620
Client Sample ID: B-802 (8.5 ft-10 0 ft)
Lab ID: 08040620-011
Collection Date: 4/15/2008 9:15:00 AM
Report Date: 23-Apr-08
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19 4**	%	1	4/16/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80 6**	%	1	4/16/2008	TWN
SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS								
Benzene	NELAP	0 100	J	**0.052**	mg/L	50	4/19/2008 12 23 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**115.3**	%REC	50	4/19/2008 12 23 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**106.6**	%REC	50	4/19/2008 12 23 00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**105.3**	%REC	50	4/19/2008 12 23 00 AM	TAL
Surr Toluene-d8		84 3-114		**110.0**	%REC	50	4/19/2008 12 23 00 AM	TAL
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**4.34**	mg/Kg-dry	1	4/21/2008 10 32 16 AM	LAL
Chromium	NELAP	1 00		**25 0**	mg/Kg-dry	1	4/18/2008 7 47 16 PM	CRK
Lead	NELAP	4 00		**15.4**	mg/Kg-dry	1	4/18/2008 7 47 16 PM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 204		**9 50**	mg/Kg-dry	50	4/17/2008 7 30 00 PM	TDN
Acenaphthylene	NELAP	0 204		**9.63**	mg/Kg-dry	50	4/17/2008 7 30 00 PM	TDN
Anthracene	NELAP	0 204		**8.89**	mg/Kg-dry	50	4/17/2008 7 30 00 PM	TDN
Benzo(a)anthracene	NELAP	0 204		**5.15**	mg/Kg-dry	50	4/17/2008 7 30 00 PM	TDN
Benzo(a)pyrene	NELAP	0 204		**4 59**	mg/Kg-dry	50	4/17/2008 7 30 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 204		**3.66**	mg/Kg-dry	50	4/17/2008 7 30 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 204		**1.59**	mg/Kg-dry	50	4/17/2008 7 30 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 204		**1.09**	mg/Kg-dry	50	4/17/2008 7 30 00 PM	TDN
Chrysene	NELAP	0 204		**5.20**	mg/Kg-dry	50	4/17/2008 7 30 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 204		**0.591**	mg/Kg-dry	50	4/17/2008 7 30 00 PM	TDN
Fluoranthene	NELAP	0 204		**10 4**	mg/Kg-dry	50	4/17/2008 7 30 00 PM	TDN
Fluorene	NELAP	0 204		**9.83**	mg/Kg-dry	50	4/17/2008 7 30 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 204		**1.28**	mg/Kg-dry	50	4/17/2008 7 30 00 PM	TDN
Naphthalene	NELAP	0 204		**24.3**	mg/Kg-dry	50	4/17/2008 7 30 00 PM	TDN
Phenanthrene	NELAP	0 204		**31.5**	mg/Kg-dry	50	4/17/2008 7 30 00 PM	TDN
Pyrene	NELAP	0 204		**15 1**	mg/Kg-dry	50	4/17/2008 7 30 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**59.9**	%REC	50	4/17/2008 7 30 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**39.9**	%REC	50	4/17/2008 7 30 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**69.9**	%REC	50	4/17/2008 7 30 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	29 5		**1920**	µg/Kg-dry	12 5	4/18/2008 1 53 00 AM	JSA
Ethylbenzene	NELAP	147		**3110**	µg/Kg-dry	12 5	4/18/2008 1 53 00 AM	JSA
Toluene	NELAP	147	J	**110**	µg/Kg-dry	12 5	4/18/2008 1 53 00 AM	JSA
Xylenes, Total	NELAP	147		**3990**	µg/Kg-dry	12 5	4/18/2008 1 53 00 AM	JSA

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-011
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-802 (8.5 ft-10.0 ft)
Collection Date: 4/15/2008 9:15:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Surr 1,2-Dichloroethane-d4		61-128		**115.2**	%REC	12.5	4/18/2008 1:53:00 AM	JSA
Surr 4-Bromofluorobenzene		78.2-117		**109.2**	%REC	12.5	4/18/2008 1:53:00 AM	JSA
Surr Dibromofluoromethane		66.6-130	S	**152.0**	%REC	12.5	4/18/2008 1:53:00 AM	JSA
Surr Toluene-d8		80.1-122		**113.6**	%REC	12.5	4/18/2008 1:53:00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0.57		**0.97**	mg/Kg-dry	1	4/18/2008	AET
SW-846 9014A								
Cyanide, Amenable to Chlorination		0.57		**Interference**	mg/Kg-dry	1	4/18/2008	AET

Sample Narrative

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference

Elevated reporting limit due to high levels of target and/or non-target analytes

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-012
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-802 (14.5 ft- 15 5 ft)
Collection Date: 4/15/2008 9:50:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**11.9**	%	1	4/16/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**88.1**	%	1	4/16/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**5.84**	mg/Kg-dry	1	4/21/2008 10 39 03 AM	LAL
Chromium	NELAP	1 00		**17.9**	mg/Kg-dry	1	4/18/2008 7 51 28 PM	CRK
Lead	NELAP	4 00		**15.8**	mg/Kg-dry	1	4/18/2008 7 51 28 PM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 382		**4.66**	mg/Kg-dry	100	4/17/2008 8 05 00 PM	TDN
Acenaphthylene	NELAP	0 382		**18 3**	mg/Kg-dry	100	4/17/2008 8 05 00 PM	TDN
Anthracene	NELAP	0 382		**12.3**	mg/Kg-dry	100	4/17/2008 8 05 00 PM	TDN
Benzo(a)anthracene	NELAP	0 382		**7.69**	mg/Kg-dry	100	4/17/2008 8 05 00 PM	TDN
Benzo(a)pyrene	NELAP	0 382		**7 28**	mg/Kg-dry	100	4/17/2008 8 05 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 382		**6.01**	mg/Kg-dry	100	4/17/2008 8 05 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 382		**2.73**	mg/Kg-dry	100	4/17/2008 8 05 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 382		**2.08**	mg/Kg-dry	100	4/17/2008 8 05 00 PM	TDN
Chrysene	NELAP	0 382		**7 36**	mg/Kg-dry	100	4/17/2008 8 05 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 382		**0.982**	mg/Kg-dry	100	4/17/2008 8 05 00 PM	TDN
Fluoranthene	NELAP	0 382		**17.4**	mg/Kg-dry	100	4/17/2008 8 05 00 PM	TDN
Fluorene	NELAP	0 382		**13.8**	mg/Kg-dry	100	4/17/2008 8 05 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 382		**2.35**	mg/Kg-dry	100	4/17/2008 8 05 00 PM	TDN
Naphthalene	NELAP	0 382		**78 3**	mg/Kg-dry	100	4/17/2008 8 05 00 PM	TDN
Phenanthrene	NELAP	0 382		**43.2**	mg/Kg-dry	100	4/17/2008 8 05 00 PM	TDN
Pyrene	NELAP	0 382		**21.5**	mg/Kg-dry	100	4/17/2008 8 05 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**39.9**	%REC	100	4/17/2008 8 05 00 PM	TDN
Surr Nitrobenzene-d5		10-132	S	**0**	%REC	100	4/17/2008 8 05 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**79 8**	%REC	100	4/17/2008 8 05 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	497		**79900**	µg/Kg-dry	250	4/18/2008 2 23 00 AM	JSA
Ethylbenzene	NELAP	2490		**31000**	µg/Kg-dry	250	4/18/2008 2 23 00 AM	JSA
Toluene	NELAP	2490		**57600**	µg/Kg-dry	250	4/18/2008 2 23 00 AM	JSA
Xylenes, Total	NELAP	2490		**112000**	µg/Kg-dry	250	4/18/2008 2 23 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**82.3**	%REC	250	4/18/2008 2 23 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**102.5**	%REC	250	4/18/2008 2 23 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**91.7**	%REC	250	4/18/2008 2 23 00 AM	JSA
Surr Toluene-d8		80 1-122		**97.5**	%REC	250	4/18/2008 2 23 00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 53	J	**0.33**	mg/Kg-dry	1	4/18/2008	AET

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-012
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-802 (14.5 ft- 15.5 ft)
Collection Date: 4/15/2008 9:50:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 53		***Interference***	mg/Kg-dry	1	4/18/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to sample dilution

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-013
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-802 (25 ft- 26 ft)
Collection Date: 4/15/2008 10:20:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**8 9**	%	1	4/16/2008	TWM
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**91.1**	%	1	4/16/2008	TWM
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 8 40 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 8 40 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 8 40 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 8 40 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 8 40 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 8 40 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/17/2008 8 40 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 8 40 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 8 40 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 8 40 00 PM	TDN
Fluoranthene	NELAP	0 004		**0.004**	mg/Kg-dry	1	4/17/2008 8 40 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 8 40 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 8 40 00 PM	TDN
Naphthalene	NELAP	0 004		**0.017**	mg/Kg-dry	1	4/17/2008 8 40 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.010**	mg/Kg-dry	1	4/17/2008 8 40 00 PM	TDN
Pyrene	NELAP	0 004		**0.007**	mg/Kg-dry	1	4/17/2008 8 40 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**40.1**	%REC	1	4/17/2008 8 40 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**33.5**	%REC	1	4/17/2008 8 40 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**63.5**	%REC	1	4/17/2008 8 40 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**43.8**	µg/Kg-dry	1	4/18/2008 2 54 00 AM	JSA
Ethylbenzene	NELAP	4 3		**ND**	µg/Kg-dry	1	4/18/2008 2 54 00 AM	JSA
Toluene	NELAP	4 3	J	**1.3**	µg/Kg-dry	1	4/18/2008 2 54 00 AM	JSA
Xylenes, Total	NELAP	4 3	J	**0.9**	µg/Kg-dry	1	4/18/2008 2 54 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128	S	**59 6**	%REC	1	4/18/2008 2 54 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**109.0**	%REC	1	4/18/2008 2 54 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**71.0**	%REC	1	4/18/2008 2 54 00 AM	JSA
Surr Toluene-d8		80 1-122		**99.5**	%REC	1	4/18/2008 2 54 00 AM	JSA

Sample Narrative
SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Surrogate recovery was outside QC limits due to matrix interference

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-014
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-840 (1 ft- 2 ft)
Collection Date: 4/15/2008 10:50:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**24 2**	%	1	4/16/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**75.8**	%	1	4/16/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 005		**ND**	mg/Kg-dry	1	4/18/2008 3 13 00 PM	TDN
Acenaphthylene	NELAP	0 005		**0.062**	mg/Kg-dry	1	4/18/2008 3 13 00 PM	TDN
Anthracene	NELAP	0 005		**0.018**	mg/Kg-dry	1	4/18/2008 3 13 00 PM	TDN
Benzo(a)anthracene	NELAP	0 005		**0 134**	mg/Kg-dry	1	4/18/2008 3 13 00 PM	TDN
Benzo(a)pyrene	NELAP	0 005		**0 169**	mg/Kg-dry	1	4/18/2008 3 13 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 005		**0 232**	mg/Kg-dry	1	4/18/2008 3 13 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 005		**0 120**	mg/Kg-dry	1	4/18/2008 3 13 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 005		**0.082**	mg/Kg-dry	1	4/18/2008 3 13 00 PM	TDN
Chrysene	NELAP	0 005		**0.144**	mg/Kg-dry	1	4/18/2008 3 13 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 005		**0.037**	mg/Kg-dry	1	4/18/2008 3 13 00 PM	TDN
Fluoranthene	NELAP	0 005		**0.220**	mg/Kg-dry	1	4/18/2008 3 13 00 PM	TDN
Fluorene	NELAP	0 005		**0 006**	mg/Kg-dry	1	4/18/2008 3 13 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 005		**0 113**	mg/Kg-dry	1	4/18/2008 3 13 00 PM	TDN
Naphthalene	NELAP	0 005		**0 011**	mg/Kg-dry	1	4/18/2008 3 13 00 PM	TDN
Phenanthrene	NELAP	0 005		**0.073**	mg/Kg-dry	1	4/18/2008 3 13 00 PM	TDN
Pyrene	NELAP	0 005		**0.194**	mg/Kg-dry	1	4/18/2008 3 13 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**37.3**	%REC	1	4/18/2008 3 13 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**34.9**	%REC	1	4/18/2008 3 13 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**61.3**	%REC	1	4/18/2008 3 13 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 3		**2.0**	µg/Kg-dry	1	4/18/2008 3 24 00 AM	JSA
Ethylbenzene	NELAP	6 7		**ND**	µg/Kg-dry	1	4/18/2008 3 24 00 AM	JSA
Toluene	NELAP	6 7		**ND**	µg/Kg-dry	1	4/18/2008 3 24 00 AM	JSA
Xylenes, Total	NELAP	6 7		**ND**	µg/Kg-dry	1	4/18/2008 3 24 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**87.1**	%REC	1	4/18/2008 3 24 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**97.2**	%REC	1	4/18/2008 3 24 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**93.0**	%REC	1	4/18/2008 3 24 00 AM	JSA
Surr Toluene-d8		80 1-122		**97.3**	%REC	1	4/18/2008 3 24 00 AM	JSA

Sample Narrative

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-015
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-840 (7 ft- 8 ft)
Collection Date: 4/15/2008 11.15:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**17.2**	%	1	4/16/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**82.8**	%	1	4/16/2008	TWN
SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS								
Benzene	NELAP	0 100		**ND**	mg/L	50	4/19/2008 1 55 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**118.1**	%REC	50	4/19/2008 1 55 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**112.3**	%REC	50	4/19/2008 1 55 00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**103.8**	%REC	50	4/19/2008 1 55 00 AM	TAL
Surr Toluene-d8		84 3-114		**106.7**	%REC	50	4/19/2008 1 55 00 AM	TAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 3 37 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 3 37 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 3 37 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 3 37 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 3 37 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 3 37 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 3 37 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 3 37 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 3 37 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 3 37 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 3 37 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 3 37 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 3 37 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 3 37 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 3 37 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/17/2008 3 37 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**29.7**	%REC	1	4/17/2008 3 37 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**32.9**	%REC	1	4/17/2008 3 37 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**66.9**	%REC	1	4/17/2008 3 37 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 0		**ND**	µg/Kg-dry	1	4/18/2008 3 55 00 AM	JSA
Ethylbenzene	NELAP	4 9		**ND**	µg/Kg-dry	1	4/18/2008 3 55 00 AM	JSA
Toluene	NELAP	4 9		**ND**	µg/Kg-dry	1	4/18/2008 3 55 00 AM	JSA
Xylenes, Total	NELAP	4 9		**ND**	µg/Kg-dry	1	4/18/2008 3 55 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**90.8**	%REC	1	4/18/2008 3 55 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**100.3**	%REC	1	4/18/2008 3 55 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**93 9**	%REC	1	4/18/2008 3 55 00 AM	JSA
Surr Toluene-d8		80 1-122		**99.0**	%REC	1	4/18/2008 3 55 00 AM	JSA

TEKLAB, INC.

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TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-015
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-840 (7 ft- 8 ft)
Collection Date: 4/15/2008 11:15:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst

Sample Narrative

TEKLAB, INC.

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040620
Lab ID: 08040620-016
Report Date: 23-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-840 (18 ft-19 ft)
Collection Date: 4/15/2008 11.45:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**11 0**	%	1	4/16/2008	TWM
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**89 0**	%	1	4/16/2008	TWM
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0 013**	mg/Kg-dry	1	4/17/2008 9 51 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0.030**	mg/Kg-dry	1	4/17/2008 9 51 00 PM	TDN
Anthracene	NELAP	0 004		**0.029**	mg/Kg-dry	1	4/17/2008 9 51 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.031**	mg/Kg-dry	1	4/17/2008 9 51 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0 030**	mg/Kg-dry	1	4/17/2008 9 51 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.032**	mg/Kg-dry	1	4/17/2008 9 51 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.017**	mg/Kg-dry	1	4/17/2008 9 51 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.011**	mg/Kg-dry	1	4/17/2008 9 51 00 PM	TDN
Chrysene	NELAP	0 004		**0.033**	mg/Kg-dry	1	4/17/2008 9 51 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0 006**	mg/Kg-dry	1	4/17/2008 9 51 00 PM	TDN
Fluoranthene	NELAP	0 004		**0.060**	mg/Kg-dry	1	4/17/2008 9 51 00 PM	TDN
Fluorene	NELAP	0 004		**0.028**	mg/Kg-dry	1	4/17/2008 9 51 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.012**	mg/Kg-dry	1	4/17/2008 9 51 00 PM	TDN
Naphthalene	NELAP	0 004		**0 112**	mg/Kg-dry	1	4/17/2008 9 51 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.117**	mg/Kg-dry	1	4/17/2008 9 51 00 PM	TDN
Pyrene	NELAP	0 004		**0.068**	mg/Kg-dry	1	4/17/2008 9 51 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**39.9**	%REC	1	4/17/2008 9 51 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**32 9**	%REC	1	4/17/2008 9 51 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**64.7**	%REC	1	4/17/2008 9 51 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**1.6**	µg/Kg-dry	1	4/18/2008 4 25 00 AM	JSA
Ethylbenzene	NELAP	4 5		**ND**	µg/Kg-dry	1	4/18/2008 4 25 00 AM	JSA
Toluene	NELAP	4 5	J	**1.4**	µg/Kg-dry	1	4/18/2008 4 25 00 AM	JSA
Xylenes, Total	NELAP	4 5		**ND**	µg/Kg-dry	1	4/18/2008 4 25 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128	S	**58.1**	%REC	1	4/18/2008 4 25 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**99.1**	%REC	1	4/18/2008 4 25 00 AM	JSA
Surr Dibromofluoromethane		66 6-130	S	**60.1**	%REC	1	4/18/2008 4 25 00 AM	JSA
Surr Toluene-d8		80 1-122		**95.4**	%REC	1	4/18/2008 4 25 00 AM	JSA

Sample Narrative

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040620
Report Date: 23-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040620-001A	B-837 (0 5 ft-2 0 ft)	4/14/2008	Solid	ASTM D2974		4/16/2008
				Standard Methods 18th Ed 2540 G		4/16/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/18/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/21/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 9010B, 9014	4/16/2008	4/18/2008
				SW-846 9014A	4/16/2008	4/18/2008
08040620-001D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-002A	B-837 (9 ft-10 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed 2540 G		4/16/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/18/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/21/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 9010B, 9014	4/16/2008	4/18/2008
				SW-846 9014A	4/16/2008	4/18/2008
08040620-002D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-003A	B-837 (12 ft- 13 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-003D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-004A	B-800 (2 ft-3 ft)			ASTM D2974		4/16/2008
				ASTM D2974		4/16/2008

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040620
Report Date: 23-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040620-004A	B-800 (2 ft-3 ft)	4/14/2008	Solid	Standard Methods 18th Ed 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 9045C		4/17/2008
08040620-004D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-005A	B-800 (9 ft-10 ft)			ASTM D2974		4/16/2008
				ASTM D2974		4/16/2008
				Standard Methods 18th Ed 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 9045C		4/17/2008
08040620-005D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-006A	B-800 (11 5 ft- 12 5 ft)			ASTM D2974		4/16/2008
				ASTM D2974		4/16/2008
				Standard Methods 18th Ed 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 9045C		4/17/2008
08040620-006D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-007A	B-839 (2 0 ft- 3 0 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed 2540 G		4/16/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/18/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/21/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008

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Client: Philip Environmental

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040620
Report Date: 23-Apr-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040620-007A	B-839 (2 0 ft- 3 0 ft)	4/14/2008	Solid	SW-846 9010B, 9014	4/16/2008	4/18/2008
				SW-846 9014A	4/16/2008	4/18/2008
08040620-007D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-008A	B-839 (6 0 ft- 7 0 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed 2540 G		4/16/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/18/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/21/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 9010B, 9014	4/16/2008	4/18/2008
				SW-846 9014A	4/16/2008	4/18/2008
08040620-008D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008
08040620-009A	B-839 (16 0 ft- 17 0 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-009D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008
08040620-010A	B-802 (2 0 ft-3 0 ft)	4/15/2008		ASTM D2974		4/16/2008
				Standard Methods 18th Ed 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-010D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008
08040620-011A	B-802 (8 5 ft-10 0 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed 2540 G		4/16/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/18/2008

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040620
Report Date: 23-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040620-011A	B-802 (8 5 ft-10 0 ft)	4/15/2008	Solid	SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/21/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 9010B, 9014	4/16/2008	4/18/2008
				SW-846 9014A	4/16/2008	4/18/2008
08040620-011B				SW-846 1311, 5030, 8260B, Volatile Organic Compounds in TCLP Extract by GC/MS	4/18/2008	4/19/2008
08040620-011D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008
08040620-012A	B-802 (14 5 ft- 15 5 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed 2540 G		4/16/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/18/2008
				SW-846 3050B, 6010B, Metals by ICP	4/17/2008	4/21/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 9010B, 9014	4/16/2008	4/18/2008
				SW-846 9014A	4/16/2008	4/18/2008
08040620-012D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008
08040620-013A	B-802 (25 ft- 26 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-013D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008
08040620-014A	B-840 (1 ft- 2 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040620
Report Date: 23-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040620-014D	B-840 (1 ft- 2 ft)	4/15/2008	Solid	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008
08040620-015A	B-840 (7 ft- 8 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-015B				SW-846 1311, 5030, 8260B, Volatile Organic Compounds in TCLP Extract by GC/MS	4/18/2008	4/19/2008
08040620-015D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008
08040620-016A	B-840 (18 ft-19 ft)			ASTM D2974		4/16/2008
				Standard Methods 18th Ed 2540 G		4/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/17/2008	4/17/2008
08040620-016D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/17/2008	4/18/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040620 **Report Date:** *23-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_ACN_S_MT

Sample ID	MB-44164	SampType	MBLK			Units	mg/Kg	Prep Date	4/16/2008	RunNo	107025	
Client ID	ZZZZZZ	Batch ID	44164				SOP2092	Analysis Date	4/18/2008	SeqNo	1917204	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination		< 0 01	0 01									

Sample ID	LCS-44164	SampType	LCS			Units	mg/Kg	Prep Date	4/16/2008	RunNo	107025	
Client ID	ZZZZZZ	Batch ID	44164				SOP2092	Analysis Date	4/18/2008	SeqNo	1917205	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination		0 19	0 01	0 2000	0	94 5	85	115				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040620 **Report Date:** *23-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_OM_D_M

Sample ID	**08040620-004ADUP**	SampType	**DUP**		Units	**wt%**	Prep Date		RunNo	**107181**	
Client ID	**B-800 (2 ft-3 ft)DUP**	Batch ID	**R107181**				Analysis Date	**4/16/2008**	SeqNo	**1922896**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
FOC (0 58 conversion factor)	3 78	0 10						3 554	6 08	25	
Organic Matter	6 51	0 10						6 127	6 08	25	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040620 **Report Date:** *23-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TCN_S_MT

Sample ID	MB-R107022	SampType	MBLK			Units	mg/Kg	Prep Date	4/16/2008	RunNo	107022	
Client ID	ZZZZZZ	Batch ID	44162				SW9010	Analysis Date	4/18/2008	SeqNo	1917161	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		< 0 01	0 01									

Sample ID	LCS-R107022	SampType	LCS			Units	mg/Kg	Prep Date	4/16/2008	RunNo	107022	
Client ID	ZZZZZZ	Batch ID	44162				SW9010	Analysis Date	4/18/2008	SeqNo	1917162	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		0 19	0 01	0 2000	0	94 5	85	115				

Sample ID	LCSD-R107022	SampType	LCSD			Units	mg/Kg	Prep Date	4/16/2008	RunNo	107022	
Client ID	ZZZZZZ	Batch ID	44162				SW9010	Analysis Date	4/18/2008	SeqNo	1917163	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		0 20	0 01	0 2000	0	100 4	85	115				

Sample ID	08040620-001AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	4/16/2008	RunNo	107022	
Client ID	B-837 (0.5 ft-2.0 ft)M	Batch ID	44162				SW9010	Analysis Date	4/18/2008	SeqNo	1917165	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		12 7	0 62	12 33	0 4829	98 7	80	120				

Sample ID	08040620-001AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date	4/16/2008	RunNo	107022	
Client ID	B-837 (0.5 ft-2.0 ft)M	Batch ID	44162				SW9010	Analysis Date	4/18/2008	SeqNo	1917166	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		12 1	0 60	12 04	0 4829	96 1	80	120	12 65	4 85	20	

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TestCode: I_TS_M_MT

Sample ID	**LCS-R106905**	SampType	**LCS**			Units	%	Prep Date		RunNo	**106905**	
Client ID	**ZZZZZZ**	Batch ID	**R106905**					Analysis Date	**4/16/2008**	SeqNo	**1913501**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids		1 0	0 1	1 000	0	100	90	110				

Sample ID	**LCSQC**	SampType	**LCSQC**			Units	%	Prep Date		RunNo	**106905**	
Client ID	**ZZZZZZ**	Batch ID	**R106905**					Analysis Date	**4/16/2008**	SeqNo	**1913502**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids		1 0	0 1	1 000	0	99 0	90	110				

Sample ID	**08040620-004ADUP**	SampType	**DUP**			Units	%	Prep Date		RunNo	**106905**	
Client ID	***B-800 (2 ft-3 ft)DUP***	Batch ID	**R106905**					Analysis Date	**4/16/2008**	SeqNo	**1914341**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids		79 8	0 1						79 85	0 100	15	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
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TestCode: L_PH_S_M

Sample ID	08040620-006ADUP	SampType	DUP			Units		Prep Date		RunNo	107010	
Client ID	B-800 (11.5 ft- 12.5 ft	Batch ID	R107010					Analysis Date	4/17/2008	SeqNo	1916872	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH (1 1)		8 14	1 00						8 140	0	10	

Sample ID	LCS-R107010	SampType	LCS			Units		Prep Date		RunNo	107010	
Client ID	ZZZZZZ	Batch ID	R107010					Analysis Date	4/17/2008	SeqNo	1917259	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH (1 1)		7 02	1 00	7 000	0	100 3	99 1	100 9				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040620 **Report Date:** *23-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_SOLIDS_ICP

Sample ID	MB-44184	SampType	MBLK			Units	mg/Kg-dry	Prep Date	4/17/2008	RunNo	106971	
Client ID	ZZZZZZ	Batch ID	44184				SOP 3032	Analysis Date	4/18/2008	SeqNo	1916669	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		< 2 50	2 50	2 500	0	0	-100	100				
Chromium		< 1 00	1 00	1 000	0	0	-100	100				
Lead		< 4 00	4 00	4 000	0	0	-100	100				

Sample ID	LCS-44184	SampType	LCS			Units	mg/Kg-dry	Prep Date	4/17/2008	RunNo	106971	
Client ID	ZZZZZZ	Batch ID	44184				SOP 3032	Analysis Date	4/18/2008	SeqNo	1916670	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		220	2 50	200 0	0	110 0	85	115				
Chromium		21 8	1 00	20 00	0	109 2	85	115				
Lead		53 6	4 00	50 00	0	107 3	85	115				

Sample ID	MB-44184	SampType	MBLK			Units	mg/Kg-dry	Prep Date	4/17/2008	RunNo	106990	
Client ID	ZZZZZZ	Batch ID	44184				SOP 3032	Analysis Date	4/18/2008	SeqNo	1918890	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium		0 66	1 00	1 000	0	66 0	-100	100				J
Lead		< 4 00	4 00	4 000	0	0	-100	100				

Sample ID	LCS-44184	SampType	LCS			Units	mg/Kg-dry	Prep Date	4/17/2008	RunNo	106990	
Client ID	ZZZZZZ	Batch ID	44184				SOP 3032	Analysis Date	4/18/2008	SeqNo	1918891	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium		21 4	1 00	20 00	0	107 2	85	115				
Lead		51 7	4 00	50 00	0	103 4	85	115				

Sample ID	08040620-002AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	4/17/2008	RunNo	106990	
Client ID	B-837 (9 ft-10 ft)MS	Batch ID	44184				SOP 3032	Analysis Date	4/18/2008	SeqNo	1918897	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

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TestCode: M_SOLIDS_ICP

Sample ID	08040620-002AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	4/17/2008		RunNo	106990	
Client ID	B-837 (9 ft-10 ft)MS	Batch ID	44184			SOP 3032		Analysis Date	4/18/2008		SeqNo	1918897	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium		43 3	1 00	20 00	24 35	94 6	75	125					
Lead		64 8	4 00	50 00	17 93	93 8	75	125					

Sample ID	08040620-002AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date	4/17/2008		RunNo	106990	
Client ID	B-837 (9 ft-10 ft)MS	Batch ID	44184			SOP 3032		Analysis Date	4/18/2008		SeqNo	1918900	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium		45 3	1 00	20 00	24 35	104 7	75	125	43 28	4 52	20		
Lead		64 8	4 00	50 00	17 93	93 8	75	125	64 84	0 0154	20		

Sample ID	08040620-002AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	4/17/2008		RunNo	107055	
Client ID	B-837 (9 ft-10 ft)MS	Batch ID	44184			SOP 3032		Analysis Date	4/21/2008		SeqNo	1919284	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		201	2 50	200 0	6 370	97 2	75	125					

Sample ID	08040620-002AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date	4/17/2008		RunNo	107055	
Client ID	B-837 (9 ft-10 ft)MS	Batch ID	44184			SOP 3032		Analysis Date	4/21/2008		SeqNo	1919652	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		210	2 50	200 0	6 370	101 7	75	125	200 8	4 34	20		

Sample ID	MB-44184	SampType	MBLK			Units	mg/Kg-dry	Prep Date	4/17/2008		RunNo	107062	
Client ID	ZZZZZZ	Batch ID	44184			SOP 3032		Analysis Date	4/21/2008		SeqNo	1920574	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		1 3	2 50	2 500	0	52 8	-100	100					J

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ANALYTICAL QC SUMMARY REPORT

TestCode: M_SOLIDS_ICP

Sample ID	**LCS-44184**	SampType	**LCS**			Units	**mg/Kg-dry**	Prep Date	**4/17/2008**		RunNo	**107062**	
Client ID	**ZZZZZZ**	Batch ID	**44184**				**SOP 3032**	Analysis Date	**4/21/2008**		SeqNo	**1920575**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		210	2 50	200 0	0	104 8	85	115					

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ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID **MB-44144**	SampType **MBLK**			Units **mg/Kg**		Prep Date **4/16/2008**		RunNo **106944**		
Client ID **ZZZZZZ**	Batch ID **44144**			**SW3550B**		Analysis Date **4/17/2008**		SeqNo **1914505**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 003									
Acenaphthylene	ND	0 003									
Anthracene	ND	0 003									
Benzo(a)anthracene	ND	0 003									
Benzo(a)pyrene	ND	0 003									
Benzo(b)fluoranthene	ND	0 003									
Benzo(g,h,i)perylene	ND	0 003									
Benzo(k)fluoranthene	ND	0 003									
Chrysene	ND	0 003									
Dibenzo(a,h)anthracene	ND	0 003									
Fluoranthene	ND	0 003									
Fluorene	ND	0 003									
Indeno(1,2,3-cd)pyrene	ND	0 003									
Naphthalene	ND	0 003									
Phenanthrene	ND	0 003									
Pyrene	ND	0 003									
Surr 2-Fluorobiphenyl	0 091		0 1670		54 7	17 5	123				
Surr Nitrobenzene-d5	0 074		0 1670		44 3	35	105				
Surr p-Terphenyl-d14	0 122		0 1670		73 1	53 6	122				

Sample ID **LCS-44144**	SampType **LCS**			Units **mg/Kg**		Prep Date **4/16/2008**		RunNo **106944**		
Client ID **ZZZZZZ**	Batch ID **44144**			**SW3550B**		Analysis Date **4/17/2008**		SeqNo **1914506**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 115	0 003	0 1670	0	68 7	56 3	115				
Acenaphthylene	0 127	0 003	0 1670	0	75 9	60 3	143				
Anthracene	0 109	0 003	0 1670	0	65 5	52 1	109				
Benzo(a)anthracene	0 111	0 003	0 1670	0	66 5	52 8	112				
Benzo(a)pyrene	0 108	0 003	0 1670	0	64 4	40 8	127				
Benzo(b)fluoranthene	0 125	0 003	0 1670	0	75 0	50 1	150				
Benzo(g,h,i)perylene	0 114	0 003	0 1670	0	68 2	52 8	145				

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ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID	LCS-44144	SampType	LCS			Units	mg/Kg	Prep Date	4/16/2008		RunNo	106944
Client ID	ZZZZZZ	Batch ID	44144				SW3550B	Analysis Date	4/17/2008		SeqNo	1914506

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0 129	0 003	0 1670	0	77 1	52	153				
Chrysene	0 120	0 003	0 1670	0	71 6	60 8	128				
Dibenzo(a,h)anthracene	0 115	0 003	0 1670	0	69 1	54 9	150				
Fluoranthene	0 117	0 003	0 1670	0	70 1	58 7	125				
Fluorene	0 118	0 003	0 1670	0	70 4	57 8	125				
Indeno(1,2,3-cd)pyrene	0 114	0 003	0 1670	0	68 2	52	147				
Naphthalene	0 096	0 003	0 1670	0	57 3	54 8	113				
Phenanthrene	0 116	0 003	0 1670	0	69 6	60 4	121				
Pyrene	0 120	0 003	0 1670	0	71 6	57 9	129				
Surr 2-Fluorobiphenyl	0 115		0 1670		69 1	35 3	113				
Surr Nitrobenzene-d5	0 103		0 1670		61 7	33 9	108				
Surr p-Terphenyl-d14	0 126		0 1670		75 4	58 4	122				

Sample ID	08040620-001AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	4/17/2008		RunNo	106944
Client ID	B-837 (0.5 ft-2.0 ft)M	Batch ID	44144				SW3550B	Analysis Date	4/17/2008		SeqNo	1915682

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 139	0 021	0 2032	0	68 4	36	135				
Acenaphthylene	0 247	0 021	0 2032	0 1373	53 8	17 2	167				
Anthracene	0 205	0 021	0 2032	0 1078	48 1	39 3	124				
Benzo(a)anthracene	0 585	0 021	0 2032	0 6641	-39 1	10	183				S
Benzo(a)pyrene	0 678	0 021	0 2032	0 7852	-52 6	10	204				S
Benzo(b)fluoranthene	0 817	0 021	0 2032	0 9864	-83 6	10 6	178				S
Benzo(g,h,i)perylene	0 487	0 021	0 2032	0 5089	-10 8	10	168				S
Benzo(k)fluoranthene	0 407	0 021	0 2032	0 3569	24 8	27 6	181				S
Chrysene	0 590	0 021	0 2032	0 6967	-52 4	10	176				S
Dibenzo(a,h)anthracene	0 243	0 021	0 2032	0 1651	38 5	12 2	156				
Fluoranthene	0 847	0 021	0 2032	0 9798	-65 2	10	227				S
Fluorene	0 150	0 021	0 2032	0 02015	63 7	35 2	148				
Indeno(1,2,3-cd)pyrene	0 456	0 021	0 2032	0 4838	-13 5	10	164				S
Naphthalene	0 152	0 021	0 2032	0 05858	46 0	14 7	128				

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ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID	08040620-001AMS	SampType	MS	Units	mg/Kg-dry	Prep Date	4/17/2008	RunNo	106944
Client ID	B-837 (0.5 ft-2.0 ft)M	Batch ID	44144		SW3550B	Analysis Date	4/17/2008	SeqNo	1915682

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	0 388	0 021	0 2032	0 3434	22 1	32 8	143				S
Pyrene	0 767	0 021	0 2032	0 8780	-54 8	10	180				S
Surr 2-Fluorobiphenyl	0 138		0 2032		67 9	10	131				
Surr Nitrobenzene-d5	0 120		0 2032		58 9	10	132				
Surr p-Terphenyl-d14	0 130		0 2032		63 9	30 6	131				

Sample ID	08040620-001AMSD	SampType	MSD	Units	mg/Kg-dry	Prep Date	4/17/2008	RunNo	106944
Client ID	B-837 (0.5 ft-2.0 ft)M	Batch ID	44144		SW3550B	Analysis Date	4/17/2008	SeqNo	1915683

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 160	0 021	0 2057	0	77 6	36	135	0 1389	13 9	49 7	
Acenaphthylene	0 262	0 021	0 2057	0 1373	60 6	17 2	167	0 2466	6 03	33 3	
Anthracene	0 192	0 021	0 2057	0 1078	41 0	39 3	124	0 2055	6 69	51 1	
Benzo(a)anthracene	0 425	0 021	0 2057	0 6641	-116 2	10	183	0 5846	31 6	40 6	S
Benzo(a)pyrene	0 494	0 021	0 2057	0 7852	-141 7	10	204	0 6783	31 5	56 4	S
Benzo(b)fluoranthene	0 600	0 021	0 2057	0 9864	-187 8	10 6	178	0 8166	30 6	49 7	S
Benzo(g,h,i)perylene	0 354	0 021	0 2057	0 5089	-75 4	10	168	0 4870	31 7	36 5	S
Benzo(k)fluoranthene	0 320	0 021	0 2057	0 3569	-18 1	27 6	181	0 4073	24 1	42 6	S
Chrysene	0 467	0 021	0 2057	0 6967	-111 8	10	176	0 5902	23 4	45 1	S
Dibenzo(a,h)anthracene	0 205	0 021	0 2057	0 1651	19 5	12 2	156	0 2434	17 0	39 9	
Fluoranthene	0 762	0 021	0 2057	0 9798	-105 9	10	227	0 8472	10 6	66 2	S
Fluorene	0 174	0 021	0 2057	0 02015	74 8	35 2	148	0 1497	15 1	65 6	
Indeno(1,2,3-cd)pyrene	0 341	0 021	0 2057	0 4838	-69 6	10	164	0 4564	29 0	36 5	S
Naphthalene	0 155	0 021	0 2057	0 05858	47 0	14 7	128	0 1521	2 01	39 6	
Phenanthrene	0 539	0 021	0 2057	0 3434	95 2	32 8	143	0 3882	32 5	35 4	
Pyrene	0 668	0 021	0 2057	0 8780	-102 1	10	180	0 7667	13 8	60 1	S
Surr 2-Fluorobiphenyl	0 138		0 2057		66 9	10	131		0	40	
Surr Nitrobenzene-d5	0 123		0 2057		59 9	10	132		0	40	
Surr p-Terphenyl-d14	0 142		0 2057		68 9	30 6	131		0	40	

Client: Philip Environmental
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Lab Order: 08040620 **Report Date:** *23-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_8260TCLP

Sample ID	LCS-N080418-2	SampType	LCS	Units	mg/L	Prep Date	4/18/2008	RunNo	107037
Client ID	ZZZZZZ	Batch ID	44255		SW5030	Analysis Date	4/18/2008	SeqNo	1917617

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0 052	0 002	0 05000	0	104 9	82 7	117				
Surr 1,2-Dichloroethane-d4	0 056		0 05000		112 4	74 7	129				
Surr 4-Bromofluorobenzene	0 052		0 05000		103 3	86	119				
Surr Dibromofluoromethane	0 051		0 05000		101 4	81 7	123				
Surr Toluene-d8	0 052		0 05000		103 3	84 3	114				

Sample ID	LCSD-N080418-2	SampType	LCSD	Units	mg/L	Prep Date	4/18/2008	RunNo	107037
Client ID	ZZZZZZ	Batch ID	44255		SW5030	Analysis Date	4/18/2008	SeqNo	1917618

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0 050	0 002	0 05000	0	99 2	82 7	117	0 05245	5 61	20	
Surr 1,2-Dichloroethane-d4	0 056		0 05000		111 4	74 7	129		0	0	
Surr 4-Bromofluorobenzene	0 051		0 05000		101 7	86	119		0	0	
Surr Dibromofluoromethane	0 051		0 05000		101 4	81 7	123		0	0	
Surr Toluene-d8	0 052		0 05000		103 8	84 3	114		0	0	

Sample ID	MBLK-N080418-2	SampType	MBLK	Units	mg/L	Prep Date	4/18/2008	RunNo	107037
Client ID	ZZZZZZ	Batch ID	44255		SW5030	Analysis Date	4/18/2008	SeqNo	1917619

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0 002									
Surr 1,2-Dichloroethane-d4	0 057		0 05000		113 9	74 7	129				
Surr 4-Bromofluorobenzene	0 057		0 05000		114 0	86	119				
Surr Dibromofluoromethane	0 051		0 05000		101 2	81 7	123				
Surr Toluene-d8	0 053		0 05000		105 8	84 3	114				

Sample ID	08040620-011BMS	SampType	MS	Units	mg/L	Prep Date	4/18/2008	RunNo	107037
Client ID	B-802 (8 5 ft-10 0 ft)	Batch ID	44255		SW5030	Analysis Date	4/19/2008	SeqNo	1917621

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040620 **Report Date:** *23-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_8260TCLP

Sample ID	08040620-011BMS	SampType	MS	Units	mg/L	Prep Date	4/18/2008	RunNo	107037
Client ID	B-802 (8.5 ft-10.0 ft)	Batch ID	44255		SW5030	Analysis Date	4/19/2008	SeqNo	1917621

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2 15	0 100	2 200	0 05150	95 4	78 9	109				
Surr 1,2-Dichloroethane-d4	2 85		2 500		114 0	74 7	129				
Surr 4-Bromofluorobenzene	2 53		2 500		101 1	86	119				
Surr Dibromofluoromethane	2 62		2 500		104 6	81 7	123				
Surr Toluene-d8	2 61		2 500		104 3	84 3	114				

Sample ID	08040620-011BMSD	SampType	MSD	Units	mg/L	Prep Date	4/18/2008	RunNo	107037
Client ID	B-802 (8 5 ft-10.0 ft)	Batch ID	44255		SW5030	Analysis Date	4/19/2008	SeqNo	1917622

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2 17	0 100	2 200	0 05150	96 1	78 9	109	2 150	0 741	20	
Surr 1,2-Dichloroethane-d4	2 90		2 500		116 1	74 7	129		0	0	
Surr 4-Bromofluorobenzene	2 63		2 500		105 1	86	119		0	0	
Surr Dibromofluoromethane	2 53		2 500		101 2	81 7	123		0	0	
Surr Toluene-d8	2 64		2 500		105 5	84 3	114		0	0	

Sample ID	08040620-015BMS	SampType	MS	Units	mg/L	Prep Date	4/18/2008	RunNo	107037
Client ID	B-840 (7 ft- 8 ft)MS	Batch ID	44255		SW5030	Analysis Date	4/19/2008	SeqNo	1917624

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2 12	0 100	2 200	0	96 5	78 9	109				
Surr 1,2-Dichloroethane-d4	2 85		2 500		114 1	74 7	129				
Surr 4-Bromofluorobenzene	2 86		2 500		114 2	86	119				
Surr Dibromofluoromethane	2 50		2 500		100 2	81 7	123				
Surr Toluene-d8	2 66		2 500		106 4	84 3	114				

Sample ID	08040620-015BMSD	SampType	MSD	Units	mg/L	Prep Date	4/18/2008	RunNo	107037
Client ID	B-840 (7 ft- 8 ft)MSD	Batch ID	44255		SW5030	Analysis Date	4/19/2008	SeqNo	1917625

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040620 **Report Date:** *23-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_8260TCLP

Sample ID	**08040620-015BMSD**	SampType	**MSD**	Units	**mg/L**	Prep Date	**4/18/2008**	RunNo	**107037**
Client ID	**B-840 (7 ft- 8 ft)MSD**	Batch ID	**44255**		**SW5030**	Analysis Date	**4/19/2008**	SeqNo	**1917625**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2 11	0 100	2 200	0	96 0	78 9	109	2 122	0 543	20	
Surr 1,2-Dichloroethane-d4	2 80		2 500		112 1	74 7	129		0	0	
Surr 4-Bromofluorobenzene	2 90		2 500		115 9	86	119		0	0	
Surr Dibromofluoromethane	2 54		2 500		101 7	81 7	123		0	0	
Surr Toluene-d8	2 65		2 500		105 9	84 3	114		0	0	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040620 **Report Date:** *23-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID	LCS-G080417-1	SampType	LCS		Units	µg/Kg	Prep Date	4/17/2008	RunNo	106975
Client ID	ZZZZZZ	Batch ID	44209			SW5035	Analysis Date	4/17/2008	SeqNo	1915959

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45 6	1 0	50 00	0	91 1	75	123				
Toluene	46 1	5 0	50 00	0	92 1	77 3	117				
Ethylbenzene	47 0	5 0	50 00	0	94 0	80 8	118				
Xylenes, Total	93 8	5 0	100 0	0	93 8	78 5	121				
Surr 1,2-Dichloroethane-d4	42 8		50 00		85 6	61	128				
Surr 4-Bromofluorobenzene	49 0		50 00		98 0	78 2	117				
Surr Dibromofluoromethane	48 2		50 00		96 4	66 6	130				
Surr Toluene-d8	48 6		50 00		97 3	80 1	122				

Sample ID	LCSD-G080417-1	SampType	LCSD		Units	µg/Kg	Prep Date	4/17/2008	RunNo	106975
Client ID	ZZZZZZ	Batch ID	44209			SW5035	Analysis Date	4/17/2008	SeqNo	1915960

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46 3	1 0	50 00	0	92 7	75	123	45 56	1 70	20	
Toluene	46 9	5 0	50 00	0	93 9	77 3	117	46 06	1 89	20	
Ethylbenzene	47 0	5 0	50 00	0	94 1	80 8	118	47 00	0 0638	20	
Xylenes, Total	94 1	5 0	100 0	0	94 1	78 5	121	93 75	0 362	20	
Surr 1,2-Dichloroethane-d4	43 1		50 00		86 1	61	128		0	0	
Surr 4-Bromofluorobenzene	49 3		50 00		98 5	78 2	117		0	0	
Surr Dibromofluoromethane	48 4		50 00		96 7	66 6	130		0	0	
Surr Toluene-d8	48 4		50 00		96 9	80 1	122		0	0	

Sample ID	MBLK-G080417-1	SampType	MBLK		Units	µg/Kg	Prep Date	4/17/2008	RunNo	106975
Client ID	ZZZZZZ	Batch ID	44209			SW5035	Analysis Date	4/17/2008	SeqNo	1915961

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1 0									
Toluene	ND	5 0									
Ethylbenzene	ND	5 0									
Xylenes, Total	ND	5 0									

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040620 **Report Date:** *23-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID	MBLK-G080417-1	SampType	MBLK			Units	µg/Kg		Prep Date	4/17/2008		RunNo	106975	
Client ID	ZZZZZZ	Batch ID	44209				SW5035		Analysis Date	4/17/2008		SeqNo	1915961	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Surr	1,2-Dichloroethane-d4	43 2		50 00		86 4	61	128						
Surr	4-Bromofluorobenzene	49 8		50 00		99 5	78 2	117						
Surr	Dibromofluoromethane	47 4		50 00		94 8	66 6	130						
Surr	Toluene-d8	49 0		50 00		98 0	80 1	122						

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX· 618-344-1005

RECEIVING CHECK LIST

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040620
Report Date: 23-Apr-08

Carrier: Rachael Husen

Received By: EC

Completed by: Erin Clarke
On: 16-Apr-08

Reviewed by: Elizabeth A Hurley
On: 16-Apr-08

Pages to follow | Chain of custody: 2 | Extra pages included: 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 4 4
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑	
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured	Field ☐	Lab ☑	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0 1°C - 6 0°C, or when samples are received on ice the same day as collected				
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑	
Water - pH acceptable upon receipt?	Yes ☑	No ☐		

Any No responses must be detailed below or on the COC

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230
(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

080406)

COC Serial No. B 08647

Project Name: AmerenIP Champaign **Project Mgr.:** Derek Ingram
Project Number: 62403053 **Cost Code:** 024501
Sampler(s): L. Hoosier / R. Husen
Laboratory Name: Teklab
Location: Collinsville IL

Laboratory Temperature upon Receipt: 4.4 ice

Analyses by Method Name and Number

Sample Number and (depth)	Date	Time	Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX 5035 8260B	PAH 8270 SIMS	Metals *	Cyanide 9010 9014	Pb 2174-2	pH 9045C					Comments (Field PID)	Lab ID #'s
B-837 (0.5'-2.0')	4-14	0955	X					6	X	X	X	X							08040620	-001
B 837 (9'-10')	4-14	0955	X					6	X	X	X	X							-002	
B-837 (12'-13')	4-14	1045	X					5	X	X									-003	
B-800 (2'-3')	4-14	1215	X					5	X	X			X	X					-004	
B-800 (9'-10')	4-14	1240	X					5	X	X			X	X					-005	
B-800 (11.5'-12.5')	4-14	1300	X					5	X	X			X	X					-006	
B-839 (2.0'-3.0')	4-14	1725	X					6	X	X	X	X							-007	
B-839 (6.0'-7.0')	4-14	1736	X					6	X	X	X	X							-008	
B-839 (16.0-17.0')	4-14	1812	X					5	X	X									-009	

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT: ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: Derek Ingram
Send Invoice to:
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Michael Husen	4/16/08	1000

Received by:

Signature	Date	Time
[illegible]	4/16/08	1000

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

Chain of Custody Record

08040620

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230
(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 08648

Project Name: Ameren IP Champaign **Project Mgr.:** Derek Ingram
Project Number: 62403053 **Cost Code:** 024501
Sampler(s): L. Hoosier / R. Huson
Laboratory Name: Teklab
Location: Collinsville IL

Laboratory Temperature upon Receipt: 4.4 ice

Analyses by Method Name and Number

Sample Number and (depth)	Date	Time	Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX 5035 8260B	PAH 8270 SIMS	Metals *	Cyanide	FOC D2974-87	pH 9045C	TCLP Benzene		Comments (Field PID)	Lab ID #'s
08040620																		
-010 B 802 (2.0-3.0')	4/15	0850	X					5	X	X						~~08040620~~		
-011 B 802 (8.5-10.0')	4/15	0915	X					6	X	X	X	X			X	~~-010~~	*Metals-arsenic,	
-012 B 802 (14.5-15.5')	4/15	0950	X					6	X	X	X	X				~~-011~~	chromium, lead	
-013 B-802 (25'-26')	4/15	1020	X					5	X	X						~~-012~~		
-014 B-840 (1'-2')	4/15	1050	X					5	X	X						~~013~~	Cyanide-total	
-015 B-840 (7'-8')	4/15	1115	X					5	X	X					X	~~-014~~	and amenable	
-016 B-840 (18'-19')	4/15	1145	X					5	X	X						~~-015~~		
																EDC 4/16/08		

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT: ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: Derek Ingram
Send Invoice to:
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Rachael Huson	4/16/08	1000

Received by:

Signature	Date	Time
[signature]	4/16/08	1000

Distribution TE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

April 16, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH
NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign 62403053 **WorkOrder:** 08040412

Dear Derek Ingram:

TEKLAB, INC received 36 samples on 4/10/2008 11:35:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A. White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

Client: Philip Environmental

SAMPLE SUMMARY

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412
Report Date: 16-Apr-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08040412-001	B834 (1 0-2 0 ft)	4	4/4/2008 2 17 00 PM
08040412-002	B834 (6 0-7 0 ft)	4	4/4/2008 3 21 00 PM
08040412-003	B834 (11 5-12.5 ft)	4	4/4/2008 3 35 00 PM
08040412-004	B834 (15.0-16.0 ft)	4	4/4/2008 4 00 00 PM
08040412-005	B834 (21.0-22 0 ft)	4	4/4/2008 4.21 00 PM
08040412-006	B805 (1-2 ft)	5	4/9/2008 11 18 00 AM
08040412-007	B805 (7-8 ft)	5	4/9/2008 11 45 00 AM
08040412-008	B805 (13 0-14 0 ft)	5	4/9/2008 12 10 00 PM
08040412-009	B807 (2 0-3 0 ft)	4	4/8/2008 2 05 00 PM
08040412-010	B807 (2 0-3 0 ft) DUP	4	4/8/2008 2 05 00 PM
08040412-011	B807 (8.5-9 5 ft)	5	4/8/2008 2 30 00 PM
08040412-012	B807 (13-14 ft)	5	4/8/2008 3 05 00 PM
08040412-013	B804 (1 5-2 5 ft)	5	4/8/2008 3 34 00 PM
08040412-014	B804 (8 5-9 5 ft)	5	4/8/2008 3 47 00 PM
08040412-015	B804 (15-16 ft)	4	4/8/2008 4 07 00 PM
08040412-016	B819 (2-3 ft)	5	4/7/2008 1 02 00 PM
08040412-017	B819 (8 5-9.5 ft)	5	4/7/2008 1 30 00 PM
08040412-018	B819 (28-29 ft)	5	4/7/2008 2 15 00 PM
08040412-019	B817 (2-3 ft)	5	4/7/2008 2.45 00 PM
08040412-020	B817 (8 0-9 0 ft)	5	4/7/2008 3.00 00 PM
08040412-021	B817 (26-27 ft)	5	4/7/2008 4 05 00 PM
08040412-022	B815 (2-3 ft)	5	4/7/2008 4.35 00 PM
08040412-023	B815 (7-8 ft)	5	4/7/2008 4.50 00 PM
08040412-024	B815 (25-26 ft)	5	4/7/2008 5 20:00 PM
08040412-025	B813 (2.0-3 0 ft)	4	4/7/2008 5 41.00 PM
08040412-026	B813 (6-7 ft)	4	4/7/2008 5 57:00 PM
08040412-027	B813 (11-12 ft)	4	4/7/2008 6 10 00 PM
08040412-028	B836 (1 5-2 5 ft)	4	4/8/2008 9.05 00 AM
08040412-029	B836 (9-10 ft)	4	4/8/2008 9 30 00 AM
08040412-030	B836 (25-26 ft)	4	4/8/2008 10 21 00 AM
08040412-031	B801 (2.0-3 0 ft)	4	4/8/2008 10 42 00 AM
08040412-032	B801 (9 0-10.0 ft)	4	4/8/2008 10 57 00 AM
08040412-033	B801 (25.0-26.0 ft)	4	4/8/2008 11 30 00 AM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

SAMPLE SUMMARY

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412
Report Date: 16-Apr-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08040412-034	B806 (2-3 ft)	4	4/8/2008 12:00.00 PM
08040412-035	B806 (8.5-9.5 ft)	4	4/8/2008 12 15 00 PM
08040412-036	B806 (11-12 ft)	5	4/8/2008 12:30 00 PM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

Client: Philip Environmental

CASE NARRATIVE

Project: A831-735002-012901-225/IP Champaign 62403053
LabOrder: 08040412
Report Date: 16-Apr-08

Cooler Receipt Temp: 5.8 °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	# - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-001
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B834 (1.0-2 0 ft)
Collection Date: 4/4/2008 2:17:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**17.5**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**82 5**	%	1	4/10/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/14/2008 11 33 00 AM	TDN
Acenaphthylene	NELAP	0 004		**0.004**	mg/Kg-dry	1	4/14/2008 11 33 00 AM	TDN
Anthracene	NELAP	0 004		**0.007**	mg/Kg-dry	1	4/14/2008 11 33 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004	S	**0 017**	mg/Kg-dry	1	4/14/2008 11 33 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004	S	**0.012**	mg/Kg-dry	1	4/14/2008 11 33 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004	S	**0 017**	mg/Kg-dry	1	4/14/2008 11 33 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004	S	**0.007**	mg/Kg-dry	1	4/14/2008 11 33 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0 005**	mg/Kg-dry	1	4/14/2008 11 33 00 AM	TDN
Chrysene	NELAP	0 004	S	**0.020**	mg/Kg-dry	1	4/14/2008 11 33 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/14/2008 11 33 00 AM	TDN
Fluoranthene	NELAP	0 004	S	**0.030**	mg/Kg-dry	1	4/14/2008 11 33 00 AM	TDN
Fluorene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	4/14/2008 11 33 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004	SR	**0 006**	mg/Kg-dry	1	4/14/2008 11 33 00 AM	TDN
Naphthalene	NELAP	0 004		**0.008**	mg/Kg-dry	1	4/14/2008 11 33 00 AM	TDN
Phenanthrene	NELAP	0 004		**0 090**	mg/Kg-dry	1	4/14/2008 11 33 00 AM	TDN
Pyrene	NELAP	0 004	S	**0.035**	mg/Kg-dry	1	4/14/2008 11 33 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**68 9**	%REC	1	4/14/2008 11 33 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**63.7**	%REC	1	4/14/2008 11 33 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**71 9**	%REC	1	4/14/2008 11 33 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 0		**ND**	µg/Kg-dry	1	4/11/2008 4 51 00 PM	JSA
Ethylbenzene	NELAP	5 0		**ND**	µg/Kg-dry	1	4/11/2008 4 51 00 PM	JSA
Toluene	NELAP	5 0		**ND**	µg/Kg-dry	1	4/11/2008 4 51 00 PM	JSA
Xylenes, Total	NELAP	5 0	J	**1.1**	µg/Kg-dry	1	4/11/2008 4 51 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**99 3**	%REC	1	4/11/2008 4 51 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**90.9**	%REC	1	4/11/2008 4 51 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**98.4**	%REC	1	4/11/2008 4 51 00 PM	JSA
Surr Toluene-d8		80 1-122		**95.6**	%REC	1	4/11/2008 4 51 00 PM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

RPD was outside of QC limit due to sample composition

Matrix spike did not recover within control limits because of sample composition

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-002
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B834 (6 0-7.0 ft)
Collection Date: 4/4/2008 3:21:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19.3**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80.7**	%	1	4/10/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0 478**	mg/Kg-dry	1	4/11/2008 9 43 00 AM	TDN
Acenaphthylene	NELAP	0 004		**0 052**	mg/Kg-dry	1	4/11/2008 9 43 00 AM	TDN
Anthracene	NELAP	0 004		**0 287**	mg/Kg-dry	1	4/11/2008 9 43 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.133**	mg/Kg-dry	1	4/11/2008 9 43 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**0 075**	mg/Kg-dry	1	4/11/2008 9 43 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.073**	mg/Kg-dry	1	4/11/2008 9 43 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.033**	mg/Kg-dry	1	4/11/2008 9 43 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.026**	mg/Kg-dry	1	4/11/2008 9 43 00 AM	TDN
Chrysene	NELAP	0 004		**0.134**	mg/Kg-dry	1	4/11/2008 9 43 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0.010**	mg/Kg-dry	1	4/11/2008 9 43 00 AM	TDN
Fluoranthene	NELAP	0 004		**0.388**	mg/Kg-dry	1	4/11/2008 9 43 00 AM	TDN
Fluorene	NELAP	0 004		**0.354**	mg/Kg-dry	1	4/11/2008 9 43 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.028**	mg/Kg-dry	1	4/11/2008 9 43 00 AM	TDN
Naphthalene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/11/2008 9 43 00 AM	TDN
Phenanthrene	NELAP	0 004		**0 365**	mg/Kg-dry	1	4/11/2008 9 43 00 AM	TDN
Pyrene	NELAP	0 004		**0.498**	mg/Kg-dry	1	4/11/2008 9 43 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**68.9**	%REC	1	4/11/2008 9 43 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**73.5**	%REC	1	4/11/2008 9 43 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**80.0**	%REC	1	4/11/2008 9 43 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	25 6		**ND**	µg/Kg-dry	12 5	4/12/2008 9 24 00 AM	JSA
Ethylbenzene	NELAP	128		**ND**	µg/Kg-dry	12 5	4/12/2008 9 24 00 AM	JSA
Toluene	NELAP	128		**ND**	µg/Kg-dry	12 5	4/12/2008 9 24 00 AM	JSA
Xylenes, Total	NELAP	128		**ND**	µg/Kg-dry	12 5	4/12/2008 9 24 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128	S	**134.0**	%REC	12 5	4/12/2008 9 24 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**113.0**	%REC	12 5	4/12/2008 9 24 00 AM	JSA
Surr Dibromofluoromethane		66 6-130	S	**167.9**	%REC	12 5	4/12/2008 9 24 00 AM	JSA
Surr Toluene-d8		80 1-122		**117.6**	%REC	12 5	4/12/2008 9 24 00 AM	JSA

Sample Narrative

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-003
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B834 (11 5-12.5 ft)
Collection Date: 4/4/2008 3 35:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19.8**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80 2**	%	1	4/10/2008	TWN
SW-846 3550B, 8015B, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID								
Diesel	NELAP	63 0	SR#	**387**	mg/Kg-dry	10	4/11/2008 2 04 00 PM	DMH
Kerosene	NELAP	63 0		**ND**	mg/Kg-dry	10	4/11/2008 2 04 00 PM	DMH
Mineral Spirits	NELAP	63 0		**ND**	mg/Kg-dry	10	4/11/2008 2 04 00 PM	DMH
Motor Oil	NELAP	63 0	#	**121**	mg/Kg-dry	10	4/11/2008 2 04 00 PM	DMH
Surr n-Tetracontane	NELAP	50 6-140	S	**142 4**	%REC	10	4/11/2008 2 04 00 PM	DMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 041		**7.62**	mg/Kg-dry	10	4/11/2008 11 26 00 PM	TDN
Acenaphthylene	NELAP	0 041		**4.79**	mg/Kg-dry	10	4/11/2008 11 26 00 PM	TDN
Anthracene	NELAP	0 041		**7.86**	mg/Kg-dry	10	4/11/2008 11 26 00 PM	TDN
Benzo(a)anthracene	NELAP	0 041		**6.12**	mg/Kg-dry	10	4/11/2008 11 26 00 PM	TDN
Benzo(a)pyrene	NELAP	0 041		**6.04**	mg/Kg-dry	10	4/11/2008 11 26 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 041		**4 77**	mg/Kg-dry	10	4/11/2008 11 26 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 041		**2.67**	mg/Kg-dry	10	4/11/2008 11 26 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 041		**1.60**	mg/Kg-dry	10	4/11/2008 11 26 00 PM	TDN
Chrysene	NELAP	0 041		**5.63**	mg/Kg-dry	10	4/11/2008 11 26 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 041		**0 709**	mg/Kg-dry	10	4/11/2008 11 26 00 PM	TDN
Fluoranthene	NELAP	0 041		**12.0**	mg/Kg-dry	10	4/11/2008 11 26 00 PM	TDN
Fluorene	NELAP	0 041		**7.07**	mg/Kg-dry	10	4/11/2008 11 26 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 041		**2 05**	mg/Kg-dry	10	4/11/2008 11 26 00 PM	TDN
Naphthalene	NELAP	0 041		**10.6**	mg/Kg-dry	10	4/11/2008 11 26 00 PM	TDN
Phenanthrene	NELAP	0 412		**28.6**	mg/Kg-dry	100	4/14/2008 10 22 00 AM	TDN
Pyrene	NELAP	0 041		**15 4**	mg/Kg-dry	10	4/11/2008 11 26 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**55.9**	%REC	10	4/11/2008 11 26 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**53 9**	%REC	10	4/11/2008 11 26 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**71.9**	%REC	10	4/11/2008 11 26 00 PM	TDN
SW-846 5035, 8260B, GASOLINE RANGE ORGANICS (OA-1) BY GC/MS								
Benzene	NELAP	1 4		**2 0**	µg/Kg-dry	1	4/11/2008 9 44 00 AM	JSA
Ethylbenzene	NELAP	7 1	J	**2.5**	µg/Kg-dry	1	4/11/2008 9 44 00 AM	JSA
Gasoline Range Organics		1420		**14900**	µg/Kg-dry	1	4/11/2008 9 44 00 AM	JSA
Methyl tert-butyl ether	NELAP	2 8		**ND**	µg/Kg-dry	1	4/11/2008 9 44 00 AM	JSA
Toluene	NELAP	7 1	J	**5.1**	µg/Kg-dry	1	4/11/2008 9 44 00 AM	JSA
Xylenes, Total	NELAP	7 1		**7.4**	µg/Kg-dry	1	4/11/2008 9 44 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**96 7**	%REC	1	4/11/2008 9 44 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**94.3**	%REC	1	4/11/2008 9 44 00 AM	JSA

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-003
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B834 (11 5-12.5 ft)
Collection Date: 4/4/2008 3:35:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5035, 8260B, GASOLINE RANGE ORGANICS (OA-1) BY GC/MS								
Surr Dibromofluoromethane	66 6-130			**100.1**	%REC	1	4/11/2008 9 44 00 AM	JSA
Surr Toluene-d8	80 1-122			**97 5**	%REC	1	4/11/2008 9 44 00 AM	JSA

Sample Narrative

SW-846 3550B, 8015B, Total Petroleum Hydrocarbons (OA-2) by GC/FID

Surrogate recovery was outside QC limits due to matrix interference
RPD was outside of QC limit due to sample composition
Matrix spike did not recover within control limits because of sample composition
Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-004
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B834 (15.0-16.0 ft)
Collection Date: 4/4/2008 4:00 00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**12 8**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**87 2**	%	1	4/10/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0.255**	mg/Kg-dry	1	4/12/2008 12 01 00 AM	TDN
Acenaphthylene	NELAP	0 004		**1.64**	mg/Kg-dry	1	4/12/2008 12 01 00 AM	TDN
Anthracene	NELAP	0 004		**0.677**	mg/Kg-dry	1	4/12/2008 12 01 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.480**	mg/Kg-dry	1	4/12/2008 12 01 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**0 486**	mg/Kg-dry	1	4/12/2008 12 01 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0 381**	mg/Kg-dry	1	4/12/2008 12 01 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.223**	mg/Kg-dry	1	4/12/2008 12 01 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0 132**	mg/Kg-dry	1	4/12/2008 12 01 00 AM	TDN
Chrysene	NELAP	0 004		**0 435**	mg/Kg-dry	1	4/12/2008 12 01 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0.057**	mg/Kg-dry	1	4/12/2008 12 01 00 AM	TDN
Fluoranthene	NELAP	0 004		**0.943**	mg/Kg-dry	1	4/12/2008 12 01 00 AM	TDN
Fluorene	NELAP	0 004		**1 03**	mg/Kg-dry	1	4/12/2008 12 01 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.166**	mg/Kg-dry	1	4/12/2008 12 01 00 AM	TDN
Naphthalene	NELAP	0 098		**9.56**	mg/Kg-dry	25	4/14/2008 10 57 00 AM	TDN
Phenanthrene	NELAP	0 098		**2.90**	mg/Kg-dry	25	4/14/2008 10 57 00 AM	TDN
Pyrene	NELAP	0 004		**1.32**	mg/Kg-dry	1	4/12/2008 12 01 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**55.3**	%REC	1	4/12/2008 12 01 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**59.9**	%REC	1	4/12/2008 12 01 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**72.1**	%REC	1	4/12/2008 12 01 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	89 9		**2030**	µg/Kg-dry	50	4/12/2008 9 54 00 AM	JSA
Ethylbenzene	NELAP	449		**1070**	µg/Kg-dry	50	4/12/2008 9 54 00 AM	JSA
Toluene	NELAP	449		**4460**	µg/Kg-dry	50	4/12/2008 9 54 00 AM	JSA
Xylenes, Total	NELAP	449		**7590**	µg/Kg-dry	50	4/12/2008 9 54 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**91.7**	%REC	50	4/12/2008 9 54 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**105 2**	%REC	50	4/12/2008 9 54 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**95.5**	%REC	50	4/12/2008 9 54 00 AM	JSA
Surr Toluene-d8		80 1-122		**100.4**	%REC	50	4/12/2008 9 54 00 AM	JSA

Sample Narrative

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-005
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B834 (21.0-22 0 ft)
Collection Date: 4/4/2008 4:21·00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**9 9**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**90 1**	%	1	4/10/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 10 18 00 AM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 10 18 00 AM	TDN
Anthracene	NELAP	0 004	J	**0.003**	mg/Kg-dry	1	4/11/2008 10 18 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**0 005**	mg/Kg-dry	1	4/11/2008 10 18 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004	J	**0.003**	mg/Kg-dry	1	4/11/2008 10 18 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 10 18 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 10 18 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 10 18 00 AM	TDN
Chrysene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	4/11/2008 10 18 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 10 18 00 AM	TDN
Fluoranthene	NELAP	0 004		**0.007**	mg/Kg-dry	1	4/11/2008 10 18 00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 10 18 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 10 18 00 AM	TDN
Naphthalene	NELAP	0 004		**0 018**	mg/Kg-dry	1	4/11/2008 10 18 00 AM	TDN
Phenanthrene	NELAP	0 004		**0 014**	mg/Kg-dry	1	4/11/2008 10 18 00 AM	TDN
Pyrene	NELAP	0 004		**0.010**	mg/Kg-dry	1	4/11/2008 10 18 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**38 1**	%REC	1	4/11/2008 10 18 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**41.7**	%REC	1	4/11/2008 10 18 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**73.9**	%REC	1	4/11/2008 10 18 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	26 6		**ND**	µg/Kg-dry	12 5	4/12/2008 10 25 00 AM	JSA
Ethylbenzene	NELAP	133		**ND**	µg/Kg-dry	12 5	4/12/2008 10 25 00 AM	JSA
Toluene	NELAP	133		**ND**	µg/Kg-dry	12 5	4/12/2008 10 25 00 AM	JSA
Xylenes, Total	NELAP	133		**ND**	µg/Kg-dry	12 5	4/12/2008 10 25 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**121.8**	%REC	12 5	4/12/2008 10 25 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**113.4**	%REC	12 5	4/12/2008 10 25 00 AM	JSA
Surr Dibromofluoromethane		66 6-130	S	**177.9**	%REC	12 5	4/12/2008 10 25 00 AM	JSA
Surr Toluene-d8		80 1-122		**101 4**	%REC	12 5	4/12/2008 10 25 00 AM	JSA

Sample Narrative

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-006
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B805 (1-2 ft)
Collection Date: 4/9/2008 11 18:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19 7**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80 3**	%	1	4/10/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 45		**23.2**	mg/Kg-dry	1	4/15/2008 7 56 25 PM	LAL
Chromium	NELAP	0 98		**22 1**	mg/Kg-dry	1	4/15/2008 7 56 25 PM	LAL
Lead	NELAP	3 92		**233**	mg/Kg-dry	1	4/15/2008 7 56 25 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 10 54 00 AM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 10 54 00 AM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 10 54 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.007**	mg/Kg-dry	1	4/11/2008 10 54 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/11/2008 10 54 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0 009**	mg/Kg-dry	1	4/11/2008 10 54 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/11/2008 10 54 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 10 54 00 AM	TDN
Chrysene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/11/2008 10 54 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 10 54 00 AM	TDN
Fluoranthene	NELAP	0 004		**0.009**	mg/Kg-dry	1	4/11/2008 10 54 00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 10 54 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	4/11/2008 10 54 00 AM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 10 54 00 AM	TDN
Phenanthrene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	4/11/2008 10 54 00 AM	TDN
Pyrene	NELAP	0 004		**0.009**	mg/Kg-dry	1	4/11/2008 10 54 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**45 5**	%REC	1	4/11/2008 10 54 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**52 3**	%REC	1	4/11/2008 10 54 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**76.6**	%REC	1	4/11/2008 10 54 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**ND**	µg/Kg-dry	1	4/11/2008 5 22 00 PM	JSA
Ethylbenzene	NELAP	5 8		**ND**	µg/Kg-dry	1	4/11/2008 5 22 00 PM	JSA
Toluene	NELAP	5 8		**ND**	µg/Kg-dry	1	4/11/2008 5 22 00 PM	JSA
Xylenes, Total	NELAP	5 8		**ND**	µg/Kg-dry	1	4/11/2008 5 22 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**99.2**	%REC	1	4/11/2008 5 22 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**94 3**	%REC	1	4/11/2008 5 22 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**96 9**	%REC	1	4/11/2008 5 22 00 PM	JSA
Surr Toluene-d8		80 1-122		**97.7**	%REC	1	4/11/2008 5 22 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 60	J	**0.36**	mg/Kg-dry	1	4/15/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL· 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-006
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B805 (1-2 ft)
Collection Date: 4/9/2008 11:18:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 62		**Interference**	mg/Kg-dry	1	4/15/2008	AET

Sample Narrative

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-007
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B805 (7-8 ft)
Collection Date: 4/9/2008 11.45:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**15.4**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**84 6**	%	1	4/10/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 40		**7 08**	mg/Kg-dry	1	4/15/2008 8 03 10 PM	LAL
Chromium	NELAP	0 96		**13.6**	mg/Kg-dry	1	4/15/2008 8 03 10 PM	LAL
Lead	NELAP	3 85		**14.5**	mg/Kg-dry	1	4/15/2008 8 03 10 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 29 00 AM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 29 00 AM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 29 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 29 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 29 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 29 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 29 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 29 00 AM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 29 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 29 00 AM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 29 00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 29 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 29 00 AM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 29 00 AM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 29 00 AM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 29 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**36 3**	%REC	1	4/11/2008 11 29 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**39.1**	%REC	1	4/11/2008 11 29 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**77.8**	%REC	1	4/11/2008 11 29 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 0		**3 3**	µg/Kg-dry	1	4/11/2008 5 52 00 PM	JSA
Ethylbenzene	NELAP	5 1	J	**2.2**	µg/Kg-dry	1	4/11/2008 5 52 00 PM	JSA
Toluene	NELAP	5 1		**6.5**	µg/Kg-dry	1	4/11/2008 5 52 00 PM	JSA
Xylenes, Total	NELAP	5 1	J	**4.2**	µg/Kg-dry	1	4/11/2008 5 52 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**83.2**	%REC	1	4/11/2008 5 52 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**105.0**	%REC	1	4/11/2008 5 52 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**90.0**	%REC	1	4/11/2008 5 52 00 PM	JSA
Surr Toluene-d8		80 1-122		**99.0**	%REC	1	4/11/2008 5 52 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 56		**< 0 56**	mg/Kg-dry	1	4/15/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-007
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B805 (7-8 ft)
Collection Date: 4/9/2008 11:45 00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 56		**Interference**	mg/Kg-dry	1	4/15/2008	AET

Sample Narrative

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-008
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B805 (13.0-14.0 ft)
Collection Date: 4/9/2008 12:10.00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**12.9**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**87.1**	%	1	4/10/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**8 25**	mg/Kg-dry	1	4/15/2008 8 09 56 PM	LAL
Chromium	NELAP	1 00		**16.2**	mg/Kg-dry	1	4/15/2008 8 09 56 PM	LAL
Lead	NELAP	4 00		**11.6**	mg/Kg-dry	1	4/15/2008 8 09 56 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 05 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 05 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 05 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 05 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 05 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 05 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 05 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 05 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 05 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 05 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 05 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 05 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 05 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 05 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 05 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 05 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**42.9**	%REC	1	4/11/2008 12 05 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**48.7**	%REC	1	4/11/2008 12 05 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**79.8**	%REC	1	4/11/2008 12 05 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**2.5**	µg/Kg-dry	1	4/11/2008 6 22 00 PM	JSA
Ethylbenzene	NELAP	4 6	J	**1.7**	µg/Kg-dry	1	4/11/2008 6 22 00 PM	JSA
Toluene	NELAP	4 6		**6 0**	µg/Kg-dry	1	4/11/2008 6 22 00 PM	JSA
Xylenes, Total	NELAP	4 6	J	**3.9**	µg/Kg-dry	1	4/11/2008 6 22 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**65 1**	%REC	1	4/11/2008 6 22 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**105.0**	%REC	1	4/11/2008 6 22 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**68.5**	%REC	1	4/11/2008 6 22 00 PM	JSA
Surr Toluene-d8		80 1-122		**100.8**	%REC	1	4/11/2008 6 22 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 57		**< 0 57**	mg/Kg-dry	1	4/15/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
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ENVIRONMENTAL TESTING LABORATORY

TEL· 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-008
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B805 (13.0-14.0 ft)
Collection Date: 4/9/2008 12·10·00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 57		**< 0.57**	mg/Kg-dry	1	4/15/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-009
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B807 (2 0-3.0 ft)
Collection Date: 4/8/2008 2:05.00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**20.7**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**79.3**	%	1	4/10/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 022		**ND**	mg/Kg-dry	5	4/12/2008 12 37 00 AM	TDN
Acenaphthylene	NELAP	0 022		**0 066**	mg/Kg-dry	5	4/12/2008 12 37 00 AM	TDN
Anthracene	NELAP	0 022		**0.081**	mg/Kg-dry	5	4/12/2008 12 37 00 AM	TDN
Benzo(a)anthracene	NELAP	0 022		**0.316**	mg/Kg-dry	5	4/12/2008 12 37 00 AM	TDN
Benzo(a)pyrene	NELAP	0 022		**0 372**	mg/Kg-dry	5	4/12/2008 12 37 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 022		**0.478**	mg/Kg-dry	5	4/12/2008 12 37 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 022		**0.242**	mg/Kg-dry	5	4/12/2008 12 37 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 022		**0.165**	mg/Kg-dry	5	4/12/2008 12 37 00 AM	TDN
Chrysene	NELAP	0 022		**0.361**	mg/Kg-dry	5	4/12/2008 12 37 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 022		**0.063**	mg/Kg-dry	5	4/12/2008 12 37 00 AM	TDN
Fluoranthene	NELAP	*0 022*		**0.676**	mg/Kg-dry	5	4/12/2008 12 37 00 AM	TDN
Fluorene	NELAP	0 022		**0 030**	mg/Kg-dry	5	4/12/2008 12 37 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 022		**0.215**	mg/Kg-dry	5	4/12/2008 12 37 00 AM	TDN
Naphthalene	NELAP	0 022		**0 024**	mg/Kg-dry	5	4/12/2008 12 37 00 AM	TDN
Phenanthrene	NELAP	0 022		**0.459**	mg/Kg-dry	5	4/12/2008 12 37 00 AM	TDN
Pyrene	NELAP	0 022		**0 625**	mg/Kg-dry	5	4/12/2008 12 37 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**52.9**	%REC	5	4/12/2008 12 37 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**53.9**	%REC	5	4/12/2008 12 37 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**69.9**	%REC	5	4/12/2008 12 37 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**2.4**	µg/Kg-dry	1	4/11/2008 6 53 00 PM	JSA
Ethylbenzene	NELAP	5 9	J	**1 8**	µg/Kg-dry	1	4/11/2008 6 53 00 PM	JSA
Toluene	NELAP	5 9	J	**1.3**	µg/Kg-dry	1	4/11/2008 6 53 00 PM	JSA
Xylenes, Total	NELAP	5 9	J	**1 5**	µg/Kg-dry	1	4/11/2008 6 53 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**115.8**	%REC	1	4/11/2008 6 53 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117	S	**66.3**	%REC	1	4/11/2008 6 53 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**111.2**	%REC	1	4/11/2008 6 53 00 PM	JSA
Surr Toluene-d8		80 1-122		**87.6**	%REC	1	4/11/2008 6 53 00 PM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Elevated reporting limit due to high levels of target and/or non-target analytes

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Surrogate recovery was outside QC limits due to matrix interference

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-010
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B807 (2.0-3.0 ft) DUP
Collection Date: 4/8/2008 2:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**17.4**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**82.6**	%	1	4/10/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.008		**ND**	mg/Kg-dry	2	4/12/2008 1:12:00 AM	TDN
Acenaphthylene	NELAP	0.008		**0.012**	mg/Kg-dry	2	4/12/2008 1:12:00 AM	TDN
Anthracene	NELAP	0.008		**ND**	mg/Kg-dry	2	4/12/2008 1:12:00 AM	TDN
Benzo(a)anthracene	NELAP	0.008		**0.055**	mg/Kg-dry	2	4/12/2008 1:12:00 AM	TDN
Benzo(a)pyrene	NELAP	0.008		**0.061**	mg/Kg-dry	2	4/12/2008 1:12:00 AM	TDN
Benzo(b)fluoranthene	NELAP	0.008		**0.082**	mg/Kg-dry	2	4/12/2008 1:12:00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0.008		**0.037**	mg/Kg-dry	2	4/12/2008 1:12:00 AM	TDN
Benzo(k)fluoranthene	NELAP	0.008		**0.031**	mg/Kg-dry	2	4/12/2008 1:12:00 AM	TDN
Chrysene	NELAP	0.008		**0.057**	mg/Kg-dry	2	4/12/2008 1:12:00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0.008		**0.014**	mg/Kg-dry	2	4/12/2008 1:12:00 AM	TDN
Fluoranthene	NELAP	0.008		**0.084**	mg/Kg-dry	2	4/12/2008 1:12:00 AM	TDN
Fluorene	NELAP	0.008		**ND**	mg/Kg-dry	2	4/12/2008 1:12:00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.008		**0.035**	mg/Kg-dry	2	4/12/2008 1:12:00 AM	TDN
Naphthalene	NELAP	0.008	J	**0.008**	mg/Kg-dry	2	4/12/2008 1:12:00 AM	TDN
Phenanthrene	NELAP	0.008		**0.034**	mg/Kg-dry	2	4/12/2008 1:12:00 AM	TDN
Pyrene	NELAP	0.008		**0.078**	mg/Kg-dry	2	4/12/2008 1:12:00 AM	TDN
Surr: 2-Fluorobiphenyl		10-131		**56.7**	%REC	2	4/12/2008 1:12:00 AM	TDN
Surr: Nitrobenzene-d5		10-132		**58.3**	%REC	2	4/12/2008 1:12:00 AM	TDN
Surr: p-Terphenyl-d14		30.6-131		**67.5**	%REC	2	4/12/2008 1:12:00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.2		**1.2**	µg/Kg-dry	1	4/11/2008 7:23:00 PM	JSA
Ethylbenzene	NELAP	5.9		**ND**	µg/Kg-dry	1	4/11/2008 7:23:00 PM	JSA
Toluene	NELAP	5.9		**ND**	µg/Kg-dry	1	4/11/2008 7:23:00 PM	JSA
Xylenes, Total	NELAP	5.9		**ND**	µg/Kg-dry	1	4/11/2008 7:23:00 PM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		**100.1**	%REC	1	4/11/2008 7:23:00 PM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		**79.1**	%REC	1	4/11/2008 7:23:00 PM	JSA
Surr: Dibromofluoromethane		66.6-130		**96.2**	%REC	1	4/11/2008 7:23:00 PM	JSA
Surr: Toluene-d8		80.1-122		**96.3**	%REC	1	4/11/2008 7:23:00 PM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-011
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B807 (8.5-9.5 ft)
Collection Date: 4/8/2008 2:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**15.0**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**85.0**	%	1	4/10/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.40		**5.83**	mg/Kg-dry	1	4/15/2008 8:42:46 PM	LAL
Chromium	NELAP	0.96		**18.2**	mg/Kg-dry	1	4/15/2008 8:42:46 PM	LAL
Lead	NELAP	3.85		**14.2**	mg/Kg-dry	1	4/15/2008 8:42:46 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 12:41:00 PM	TDN
Acenaphthylene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 12:41:00 PM	TDN
Anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 12:41:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 12:41:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 12:41:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 12:41:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 12:41:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 12:41:00 PM	TDN
Chrysene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 12:41:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 12:41:00 PM	TDN
Fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 12:41:00 PM	TDN
Fluorene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 12:41:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 12:41:00 PM	TDN
Naphthalene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 12:41:00 PM	TDN
Phenanthrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 12:41:00 PM	TDN
Pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 12:41:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		**33.9**	%REC	1	4/11/2008 12:41:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		**47.5**	%REC	1	4/11/2008 12:41:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		**78.0**	%REC	1	4/11/2008 12:41:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.9		**2.2**	µg/Kg-dry	1	4/11/2008 7:53:00 PM	JSA
Ethylbenzene	NELAP	4.3	J	**1.7**	µg/Kg-dry	1	4/11/2008 7:53:00 PM	JSA
Toluene	NELAP	4.3		**5.0**	µg/Kg-dry	1	4/11/2008 7:53:00 PM	JSA
Xylenes, Total	NELAP	4.3	J	**3.6**	µg/Kg-dry	1	4/11/2008 7:53:00 PM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		**85.3**	%REC	1	4/11/2008 7:53:00 PM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		**101.8**	%REC	1	4/11/2008 7:53:00 PM	JSA
Surr: Dibromofluoromethane		66.6-130		**90.8**	%REC	1	4/11/2008 7:53:00 PM	JSA
Surr: Toluene-d8		80.1-122		**101.3**	%REC	1	4/11/2008 7:53:00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0.57		**< 0.57**	mg/Kg-dry	1	4/15/2008	AET

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-011
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B807 (8.5-9.5 ft)
Collection Date: 4/8/2008 2.30.00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 57		**< 0 57**	mg/Kg-dry	1	4/15/2008	AET

Sample Narrative

TEKLAB, INC.

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-012
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B807 (13-14 ft)
Collection Date: 4/8/2008 3:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**12.9**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**87.1**	%	1	4/10/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 31		**6.87**	mg/Kg-dry	1	4/15/2008 8 49 33 PM	LAL
Chromium	NELAP	0 93		**16 3**	mg/Kg-dry	1	4/15/2008 8 49 33 PM	LAL
Lead	NELAP	3 70		**12 1**	mg/Kg-dry	1	4/15/2008 8 49 33 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 15 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 15 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 15 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 15 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 15 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 15 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 15 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 15 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 15 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 15 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 15 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 15 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 15 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 15 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 15 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 15 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**21.4**	%REC	1	4/11/2008 1 15 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**33 9**	%REC	1	4/11/2008 1 15 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**73.9**	%REC	1	4/11/2008 1 15 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**3.0**	µg/Kg-dry	1	4/11/2008 8 23 00 PM	JSA
Ethylbenzene	NELAP	4 4	J	**2.1**	µg/Kg-dry	1	4/11/2008 8 23 00 PM	JSA
Toluene	NELAP	4 4		**7.1**	µg/Kg-dry	1	4/11/2008 8 23 00 PM	JSA
Xylenes, Total	NELAP	4 4	J	**4.1**	µg/Kg-dry	1	4/11/2008 8 23 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**66.0**	%REC	1	4/11/2008 8 23 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**97 4**	%REC	1	4/11/2008 8 23 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**71.1**	%REC	1	4/11/2008 8 23 00 PM	JSA
Surr Toluene-d8		80 1-122		**99 4**	%REC	1	4/11/2008 8 23 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 57		**< 0.57**	mg/Kg-dry	1	4/15/2008	AET

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FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-012
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B807 (13-14 ft)
Collection Date: 4/8/2008 3:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0.57		**< 0.57**	mg/Kg-dry	1	4/15/2008	AET
SW-846 9045C								
pH (1:1)	NELAP	1.00		**8.13**		1	4/14/2008 1:10:00 PM	KNL

Sample Narrative

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-013
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B804 (1 5-2 5 ft)
Collection Date: 4/8/2008 3:34 00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**23.8**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**76 2**	%	1	4/10/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 40		**4.34**	mg/Kg-dry	1	4/15/2008 8 56 18 PM	LAL
Chromium	NELAP	0 96		**24 0**	mg/Kg-dry	1	4/15/2008 8 56 18 PM	LAL
Lead	NELAP	3 85		**111**	mg/Kg-dry	1	4/15/2008 8 56 18 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/12/2008 1 47 00 AM	TDN
Acenaphthylene	NELAP	0 004		**0 009**	mg/Kg-dry	1	4/12/2008 1 47 00 AM	TDN
Anthracene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/12/2008 1 47 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**0 033**	mg/Kg-dry	1	4/12/2008 1 47 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**0 040**	mg/Kg-dry	1	4/12/2008 1 47 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.056**	mg/Kg-dry	1	4/12/2008 1 47 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.025**	mg/Kg-dry	1	4/12/2008 1 47 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.020**	mg/Kg-dry	1	4/12/2008 1 47 00 AM	TDN
Chrysene	NELAP	0 004		**0.038**	mg/Kg-dry	1	4/12/2008 1 47 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0.007**	mg/Kg-dry	1	4/12/2008 1 47 00 AM	TDN
Fluoranthene	NELAP	0 004		**0 059**	mg/Kg-dry	1	4/12/2008 1 47 00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/12/2008 1 47 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.024**	mg/Kg-dry	1	4/12/2008 1 47 00 AM	TDN
Naphthalene	NELAP	0 004		**0 007**	mg/Kg-dry	1	4/12/2008 1 47 00 AM	TDN
Phenanthrene	NELAP	0 004		**0 025**	mg/Kg-dry	1	4/12/2008 1 47 00 AM	TDN
Pyrene	NELAP	0 004		**0 055**	mg/Kg-dry	1	4/12/2008 1 47 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**33 7**	%REC	1	4/12/2008 1 47 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**45.3**	%REC	1	4/12/2008 1 47 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**69.9**	%REC	1	4/12/2008 1 47 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 1		**ND**	µg/Kg-dry	1	4/11/2008 8 53 00 PM	JSA
Ethylbenzene	NELAP	5 6		**ND**	µg/Kg-dry	1	4/11/2008 8 53 00 PM	JSA
Toluene	NELAP	5 6		**ND**	µg/Kg-dry	1	4/11/2008 8 53 00 PM	JSA
Xylenes, Total	NELAP	5 6		**ND**	µg/Kg-dry	1	4/11/2008 8 53 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**101.5**	%REC	1	4/11/2008 8 53 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**95.3**	%REC	1	4/11/2008 8 53 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**99.6**	%REC	1	4/11/2008 8 53 00 PM	JSA
Surr Toluene-d8		80 1-122		**98.0**	%REC	1	4/11/2008 8 53 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 65		**< 0.65**	mg/Kg-dry	1	4/15/2008	AET

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-013
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B804 (1 5-2 5 ft)
Collection Date: 4/8/2008 3:34:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 65		**Interference**	mg/Kg-dry	1	4/15/2008	AET

Sample Narrative

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-014
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B804 (8.5-9 5 ft)
Collection Date: 4/8/2008 3:47:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**23 6**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**76 4**	%	1	4/10/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 27		**5.27**	mg/Kg-dry	1	4/15/2008 9 03 03 PM	LAL
Chromium	NELAP	0 91		**19.1**	mg/Kg-dry	1	4/15/2008 9 03 03 PM	LAL
Lead	NELAP	3 64		**14 7**	mg/Kg-dry	1	4/15/2008 9 03 03 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 3 36 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 3 36 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 3 36 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 3 36 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 3 36 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 3 36 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 3 36 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 3 36 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 3 36 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 3 36 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 3 36 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 3 36 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 3 36 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 3 36 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 3 36 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 3 36 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**22 8**	%REC	1	4/11/2008 3 36 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**29.3**	%REC	1	4/11/2008 3 36 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**75.6**	%REC	1	4/11/2008 3 36 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 5		**4.0**	µg/Kg-dry	1	4/11/2008 9 23 00 PM	JSA
Ethylbenzene	NELAP	7 4	J	**3 6**	µg/Kg-dry	1	4/11/2008 9 23 00 PM	JSA
Toluene	NELAP	7 4		**10**	µg/Kg-dry	1	4/11/2008 9 23 00 PM	JSA
Xylenes, Total	NELAP	7 4		**10.9**	µg/Kg-dry	1	4/11/2008 9 23 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**98.1**	%REC	1	4/11/2008 9 23 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**92.2**	%REC	1	4/11/2008 9 23 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**99.8**	%REC	1	4/11/2008 9 23 00 PM	JSA
Surr Toluene-d8		80 1-122		**98 2**	%REC	1	4/11/2008 9 23 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 63		**< 0.63**	mg/Kg-dry	1	4/15/2008	AET

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-014
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B804 (8 5-9.5 ft)
Collection Date: 4/8/2008 3.47:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 64		**< 0.64**	mg/Kg-dry	1	4/15/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-015
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B804 (15-16 ft)
Collection Date: 4/8/2008 4:07:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**11.0**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**89.0**	%	1	4/10/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 11 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 11 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 11 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 11 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 11 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 11 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 11 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 11 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 11 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 11 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 11 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 11 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 11 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 11 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 11 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 11 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**35.5**	%REC	1	4/11/2008 4 11 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**38.7**	%REC	1	4/11/2008 4 11 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**75 8**	%REC	1	4/11/2008 4 11 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 7		**ND**	µg/Kg-dry	1	4/11/2008 9 53 00 PM	JSA
Ethylbenzene	NELAP	3 6		**ND**	µg/Kg-dry	1	4/11/2008 9 53 00 PM	JSA
Toluene	NELAP	3 6		**ND**	µg/Kg-dry	1	4/11/2008 9 53 00 PM	JSA
Xylenes, Total	NELAP	3 6		**ND**	µg/Kg-dry	1	4/11/2008 9 53 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**88.5**	%REC	1	4/11/2008 9 53 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**90.5**	%REC	1	4/11/2008 9 53 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**96.0**	%REC	1	4/11/2008 9 53 00 PM	JSA
Surr Toluene-d8		80 1-122		**99.4**	%REC	1	4/11/2008 9 53 00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-016
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B819 (2-3 ft)
Collection Date: 4/7/2008 1:02 00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**18.0**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**82.0**	%	1	4/10/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 40		**6.16**	mg/Kg-dry	1	4/15/2008 9 09 48 PM	LAL
Chromium	NELAP	0 96		**22.6**	mg/Kg-dry	1	4/15/2008 9 09 48 PM	LAL
Lead	NELAP	3 85		**443**	mg/Kg-dry	1	4/15/2008 9 09 48 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 008		**ND**	mg/Kg-dry	2	4/14/2008 6 51 00 PM	TDN
Acenaphthylene	NELAP	0 008		**0 015**	mg/Kg-dry	2	4/14/2008 6 51 00 PM	TDN
Anthracene	NELAP	0 008		**0 009**	mg/Kg-dry	2	4/14/2008 6 51 00 PM	TDN
Benzo(a)anthracene	NELAP	0 008		**0 069**	mg/Kg-dry	2	4/14/2008 6 51 00 PM	TDN
Benzo(a)pyrene	NELAP	0 008		**0 081**	mg/Kg-dry	2	4/14/2008 6 51 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 008		**0.103**	mg/Kg-dry	2	4/14/2008 6 51 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 008		**0 058**	mg/Kg-dry	2	4/14/2008 6 51 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 008		**0 039**	mg/Kg-dry	2	4/14/2008 6 51 00 PM	TDN
Chrysene	NELAP	0 008		**0 076**	mg/Kg-dry	2	4/14/2008 6 51 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 008		**0.015**	mg/Kg-dry	2	4/14/2008 6 51 00 PM	TDN
Fluoranthene	NELAP	0 008		**0.106**	mg/Kg-dry	2	4/14/2008 6 51 00 PM	TDN
Fluorene	NELAP	0 008		**ND**	mg/Kg-dry	2	4/14/2008 6 51 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 008		**0 051**	mg/Kg-dry	2	4/14/2008 6 51 00 PM	TDN
Naphthalene	NELAP	0 008	J	**0.008**	mg/Kg-dry	2	4/14/2008 6 51 00 PM	TDN
Phenanthrene	NELAP	0 008		**0 042**	mg/Kg-dry	2	4/14/2008 6 51 00 PM	TDN
Pyrene	NELAP	0 008		**0 106**	mg/Kg-dry	2	4/14/2008 6 51 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**70 3**	%REC	2	4/14/2008 6 51 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**64 3**	%REC	2	4/14/2008 6 51 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**69.5**	%REC	2	4/14/2008 6 51 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 1		**ND**	µg/Kg-dry	1	4/11/2008 10 24 00 PM	JSA
Ethylbenzene	NELAP	5 6		**ND**	µg/Kg-dry	1	4/11/2008 10 24 00 PM	JSA
Toluene	NELAP	5 6		**ND**	µg/Kg-dry	1	4/11/2008 10 24 00 PM	JSA
Xylenes, Total	NELAP	5 6		**ND**	µg/Kg-dry	1	4/11/2008 10 24 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**101 3**	%REC	1	4/11/2008 10 24 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**96.6**	%REC	1	4/11/2008 10 24 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**101.2**	%REC	1	4/11/2008 10 24 00 PM	JSA
Surr Toluene-d8		80 1-122		**97.5**	%REC	1	4/11/2008 10 24 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 60		**18 1**	mg/Kg-dry	1	4/15/2008	AET

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-016
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B819 (2-3 ft)
Collection Date: 4/7/2008 1:02 00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 58		**Interference**	mg/Kg-dry	1	4/15/2008	AET

Sample Narrative
SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Elevated reporting limit due to high levels of target and/or non-target analytes

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-017
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B819 (8.5-9.5 ft)
Collection Date: 4/7/2008 1:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19.1**	%	1	4/10/2008	TWM
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80.9**	%	1	4/10/2008	TWM
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 27		**3.95**	mg/Kg-dry	1	4/15/2008 9 16 33 PM	LAL
Chromium	NELAP	0 91		**20 9**	mg/Kg-dry	1	4/15/2008 9 16 33 PM	LAL
Lead	NELAP	3 64		**16.6**	mg/Kg-dry	1	4/15/2008 9 16 33 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 46 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 46 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 46 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 46 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 46 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 46 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 46 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 46 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 46 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 46 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 46 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 46 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 46 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 46 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 46 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 46 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**33.7**	%REC	1	4/11/2008 4 46 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**39 1**	%REC	1	4/11/2008 4 46 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**77 2**	%REC	1	4/11/2008 4 46 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 0		**ND**	µg/Kg-dry	1	4/11/2008 10 54 00 PM	JSA
Ethylbenzene	NELAP	4 8		**ND**	µg/Kg-dry	1	4/11/2008 10 54 00 PM	JSA
Toluene	NELAP	4 8		**ND**	µg/Kg-dry	1	4/11/2008 10 54 00 PM	JSA
Xylenes, Total	NELAP	4 8		**ND**	µg/Kg-dry	1	4/11/2008 10 54 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**97.0**	%REC	1	4/11/2008 10 54 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**95.2**	%REC	1	4/11/2008 10 54 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**99.6**	%REC	1	4/11/2008 10 54 00 PM	JSA
Surr Toluene-d8		80 1-122		**97.8**	%REC	1	4/11/2008 10 54 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 60	J	**0.39**	mg/Kg-dry	1	4/15/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-017
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B819 (8.5-9.5 ft)
Collection Date: 4/7/2008 1:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 61	J	**0 39**	mg/Kg-dry	1	4/15/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-018
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B819 (28-29 ft)
Collection Date: 4/7/2008 2:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**11 6**	%	1	4/10/2008	TWM
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**88 4**	%	1	4/10/2008	TWM
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 27		**6.56**	mg/Kg-dry	1	4/15/2008 9 23 19 PM	LAL
Chromium	NELAP	0 91		**16.7**	mg/Kg-dry	1	4/15/2008 9 23 19 PM	LAL
Lead	NELAP	3 64		**11.1**	mg/Kg-dry	1	4/15/2008 9 23 19 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 21 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 21 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 21 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 21 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 21 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 21 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 21 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 21 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 21 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 21 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 21 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 21 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 21 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 21 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 21 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 21 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**34.9**	%REC	1	4/11/2008 5 21 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**35.9**	%REC	1	4/11/2008 5 21 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**67.1**	%REC	1	4/11/2008 5 21 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**1 1**	µg/Kg-dry	1	4/11/2008 11 23 00 PM	JSA
Ethylbenzene	NELAP	4 3		**ND**	µg/Kg-dry	1	4/11/2008 11 23 00 PM	JSA
Toluene	NELAP	4 3	J	**1.1**	µg/Kg-dry	1	4/11/2008 11 23 00 PM	JSA
Xylenes, Total	NELAP	4 3		**ND**	µg/Kg-dry	1	4/11/2008 11 23 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**72.5**	%REC	1	4/11/2008 11 23 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**99.3**	%REC	1	4/11/2008 11 23 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**77.4**	%REC	1	4/11/2008 11 23 00 PM	JSA
Surr Toluene-d8		80 1-122		**99.3**	%REC	1	4/11/2008 11 23 00 PM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 56		**< 0 56**	mg/Kg-dry	1	4/15/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-018
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B819 (28-29 ft)
Collection Date: 4/7/2008 2 15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 56		**< 0 56**	mg/Kg-dry	1	4/15/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-019
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B817 (2-3 ft)
Collection Date: 4/7/2008 2:45:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
FOC (0 58 conversion factor)		0 10		**2 32**	wt%	1	4/10/2008	TWM
Organic Matter		0 10		**4.00**	wt%	1	4/10/2008	TWM
Percent Moisture		0 1		**21 2**	%	1	4/10/2008	TWM
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**78.8**	%	1	4/10/2008	TWM
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 40		**4.16**	mg/Kg-dry	1	4/15/2008 9 30 05 PM	LAL
Chromium	NELAP	0 96		**20.2**	mg/Kg-dry	1	4/15/2008 9 30 05 PM	LAL
Lead	NELAP	3 85		**30 8**	mg/Kg-dry	1	4/15/2008 9 30 05 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/12/2008 2 57 00 AM	TDN
Acenaphthylene	NELAP	0 004		**0 039**	mg/Kg-dry	1	4/12/2008 2 57 00 AM	TDN
Anthracene	NELAP	0 004		**0.006**	mg/Kg-dry	1	4/12/2008 2 57 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.007**	mg/Kg-dry	1	4/12/2008 2 57 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.024**	mg/Kg-dry	1	4/12/2008 2 57 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.021**	mg/Kg-dry	1	4/12/2008 2 57 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.042**	mg/Kg-dry	1	4/12/2008 2 57 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0 006**	mg/Kg-dry	1	4/12/2008 2 57 00 AM	TDN
Chrysene	NELAP	0 004		**0 004**	mg/Kg-dry	1	4/12/2008 2 57 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0 008**	mg/Kg-dry	1	4/12/2008 2 57 00 AM	TDN
Fluoranthene	NELAP	0 004		**0 007**	mg/Kg-dry	1	4/12/2008 2 57 00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/12/2008 2 57 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0 030**	mg/Kg-dry	1	4/12/2008 2 57 00 AM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/12/2008 2 57 00 AM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/12/2008 2 57 00 AM	TDN
Pyrene	NELAP	0 004		**0.014**	mg/Kg-dry	1	4/12/2008 2 57 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**33.1**	%REC	1	4/12/2008 2 57 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**43.1**	%REC	1	4/12/2008 2 57 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**72.3**	%REC	1	4/12/2008 2 57 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 1		**ND**	µg/Kg-dry	1	4/11/2008 11 53 00 PM	JSA
Ethylbenzene	NELAP	5 7		**ND**	µg/Kg-dry	1	4/11/2008 11 53 00 PM	JSA
Toluene	NELAP	5 7		**ND**	µg/Kg-dry	1	4/11/2008 11 53 00 PM	JSA
Xylenes, Total	NELAP	5 7		**ND**	µg/Kg-dry	1	4/11/2008 11 53 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**100**	%REC	1	4/11/2008 11 53 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**95 9**	%REC	1	4/11/2008 11 53 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**99.7**	%REC	1	4/11/2008 11 53 00 PM	JSA
Surr Toluene-d8		80 1-122		**97.9**	%REC	1	4/11/2008 11 53 00 PM	JSA

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-019
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B817 (2-3 ft)
Collection Date: 4/7/2008 2:45:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9010B, 9014								
Cyanide	NELAP	0 63		**1 34**	mg/Kg-dry	1	4/15/2008	AET
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 63		**Interference**	mg/Kg-dry	1	4/15/2008	AET
SW-846 9045C								
pH (1 1)	NELAP	1 00		**7 44**		1	4/14/2008 1 16 00 PM	KNL

Sample Narrative

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-020
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B817 (8.0-9.0 ft)
Collection Date: 4/7/2008 3.00 00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
FOC (0 58 conversion factor)		0 10		**0 56**	wt%	1	4/10/2008	TWN
Organic Matter		0 10		**0 97**	wt%	1	4/10/2008	TWN
Percent Moisture		0 1		**17 4**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**82 6**	%	1	4/10/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 27		**9.03**	mg/Kg-dry	1	4/15/2008 9 36 51 PM	LAL
Chromium	NELAP	0 91		**18.4**	mg/Kg-dry	1	4/15/2008 9 36 51 PM	LAL
Lead	NELAP	3 64		**19.4**	mg/Kg-dry	1	4/15/2008 9 36 51 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 56 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0 009**	mg/Kg-dry	1	4/11/2008 5 56 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 56 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.016**	mg/Kg-dry	1	4/11/2008 5 56 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0 018**	mg/Kg-dry	1	4/11/2008 5 56 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.015**	mg/Kg-dry	1	4/11/2008 5 56 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.010**	mg/Kg-dry	1	4/11/2008 5 56 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/11/2008 5 56 00 PM	TDN
Chrysene	NELAP	0 004		**0.015**	mg/Kg-dry	1	4/11/2008 5 56 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 56 00 PM	TDN
Fluoranthene	NELAP	0 004		**0.026**	mg/Kg-dry	1	4/11/2008 5 56 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 56 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0 008**	mg/Kg-dry	1	4/11/2008 5 56 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 56 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.009**	mg/Kg-dry	1	4/11/2008 5 56 00 PM	TDN
Pyrene	NELAP	0 004		**0.056**	mg/Kg-dry	1	4/11/2008 5 56 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**25.5**	%REC	1	4/11/2008 5 56 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**31.1**	%REC	1	4/11/2008 5 56 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**75.8**	%REC	1	4/11/2008 5 56 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**1.0**	µg/Kg-dry	1	4/12/2008 12 24 00 AM	JSA
Ethylbenzene	NELAP	4 6		**ND**	µg/Kg-dry	1	4/12/2008 12 24 00 AM	JSA
Toluene	NELAP	4 6	J	**1 4**	µg/Kg-dry	1	4/12/2008 12 24 00 AM	JSA
Xylenes, Total	NELAP	4 6		**ND**	µg/Kg-dry	1	4/12/2008 12 24 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**100**	%REC	1	4/12/2008 12 24 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**96 1**	%REC	1	4/12/2008 12 24 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**100.9**	%REC	1	4/12/2008 12 24 00 AM	JSA
Surr Toluene-d8		80 1-122		**97.5**	%REC	1	4/12/2008 12 24 00 AM	JSA

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-020
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B817 (8 0-9.0 ft)
Collection Date: 4/7/2008 3 00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9010B, 9014								
Cyanide	NELAP	0 57	J	**0 32**	mg/Kg-dry	1	4/15/2008	AET
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 59	J	**0.31**	mg/Kg-dry	1	4/15/2008	AET
SW-846 9045C								
pH (1 1)	NELAP	1 00		**7.86**		1	4/14/2008 1 19 00 PM	KNL

Sample Narrative

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-021
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B817 (26-27 ft)
Collection Date: 4/7/2008 4:05 00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**12 1**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**87 9**	%	1	4/10/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 45		**6.65**	mg/Kg-dry	1	4/15/2008 9 43 39 PM	LAL
Chromium	NELAP	0 98		**13 3**	mg/Kg-dry	1	4/15/2008 9 43 39 PM	LAL
Lead	NELAP	3 92		**12.1**	mg/Kg-dry	1	4/15/2008 9 43 39 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 9 59 00 AM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 9 59 00 AM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 9 59 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 9 59 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 9 59 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 9 59 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 9 59 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 9 59 00 AM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 9 59 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 9 59 00 AM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 9 59 00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 9 59 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 9 59 00 AM	TDN
Naphthalene	NELAP	0 004		**0 021**	mg/Kg-dry	1	4/11/2008 9 59 00 AM	TDN
Phenanthrene	NELAP	0 004		**0 008**	mg/Kg-dry	1	4/11/2008 9 59 00 AM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 9 59 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**56.7**	%REC	1	4/11/2008 9 59 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**53.7**	%REC	1	4/11/2008 9 59 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**69 9**	%REC	1	4/11/2008 9 59 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	21 2		**55 5**	µg/Kg-dry	12 5	4/12/2008 10 55 00 AM	JSA
Ethylbenzene	NELAP	106		**894**	µg/Kg-dry	12 5	4/12/2008 10 55 00 AM	JSA
Toluene	NELAP	106		**194**	µg/Kg-dry	12 5	4/12/2008 10 55 00 AM	JSA
Xylenes, Total	NELAP	106		**1160**	µg/Kg-dry	12 5	4/12/2008 10 55 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**120.7**	%REC	12 5	4/12/2008 10 55 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**110.4**	%REC	12 5	4/12/2008 10 55 00 AM	JSA
Surr Dibromofluoromethane		66 6-130	S	**172.2**	%REC	12 5	4/12/2008 10 55 00 AM	JSA
Surr Toluene-d8		80 1-122		**107 5**	%REC	12 5	4/12/2008 10 55 00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 54		**< 0.54**	mg/Kg-dry	1	4/15/2008	AET

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-021
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B817 (26-27 ft)
Collection Date: 4/7/2008 4 05.00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 55		**< 0.55**	mg/Kg-dry	1	4/15/2008	AET
SW-846 9045C								
pH (1 1)	NELAP	1 00		**8.08**		1	4/14/2008 1 23 00 PM	KNL

Sample Narrative
SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Surrogate recovery was outside QC limits due to matrix interference

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-022
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B815 (2-3 ft)
Collection Date: 4/7/2008 4:35:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**21 3**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**78.7**	%	1	4/10/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 40		**5 68**	mg/Kg-dry	1	4/15/2008 10 03 05 PM	LAL
Chromium	NELAP	0 96		**23.7**	mg/Kg-dry	1	4/15/2008 10 03 05 PM	LAL
Lead	NELAP	3 85		**18.8**	mg/Kg-dry	1	4/15/2008 10 03 05 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 52 00 AM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 52 00 AM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 52 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 52 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 52 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 52 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 52 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 52 00 AM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 52 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 52 00 AM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 52 00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 52 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 52 00 AM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 52 00 AM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 52 00 AM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 11 52 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**69.5**	%REC	1	4/11/2008 11 52 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**66.1**	%REC	1	4/11/2008 11 52 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**72.3**	%REC	1	4/11/2008 11 52 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 1		**ND**	µg/Kg-dry	1	4/12/2008 12 54 00 AM	JSA
Ethylbenzene	NELAP	5 5		**ND**	µg/Kg-dry	1	4/12/2008 12 54 00 AM	JSA
Toluene	NELAP	5 5		**ND**	µg/Kg-dry	1	4/12/2008 12 54 00 AM	JSA
Xylenes, Total	NELAP	5 5		**ND**	µg/Kg-dry	1	4/12/2008 12 54 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**99.6**	%REC	1	4/12/2008 12 54 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**98.5**	%REC	1	4/12/2008 12 54 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**100.7**	%REC	1	4/12/2008 12 54 00 AM	JSA
Surr Toluene-d8		80 1-122		**99.5**	%REC	1	4/12/2008 12 54 00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 63		**< 0.63**	mg/Kg-dry	1	4/15/2008	AET

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-022
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B815 (2-3 ft)
Collection Date: 4/7/2008 4:35:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 63		**< 0.63**	mg/Kg-dry	1	4/15/2008	AET

Sample Narrative

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-023
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B815 (7-8 ft)
Collection Date: 4/7/2008 4:50:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**12.0**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**88.0**	%	1	4/10/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 36		**8.19**	mg/Kg-dry	1	4/15/2008 10 09 51 PM	LAL
Chromium	NELAP	0 94		**16.8**	mg/Kg-dry	1	4/15/2008 10 09 51 PM	LAL
Lead	NELAP	3 77		**10.8**	mg/Kg-dry	1	4/15/2008 10 09 51 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 30 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 30 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 30 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 30 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 30 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 30 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 30 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 30 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 30 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 30 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 30 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 30 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 30 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 30 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 30 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 12 30 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**59.5**	%REC	1	4/11/2008 12 30 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**57.5**	%REC	1	4/11/2008 12 30 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**67.3**	%REC	1	4/11/2008 12 30 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**2 8**	µg/Kg-dry	1	4/12/2008 1 24 00 AM	JSA
Ethylbenzene	NELAP	4 3	J	**2 3**	µg/Kg-dry	1	4/12/2008 1 24 00 AM	JSA
Toluene	NELAP	4 3		**6 4**	µg/Kg-dry	1	4/12/2008 1 24 00 AM	JSA
Xylenes, Total	NELAP	4 3		**4.9**	µg/Kg-dry	1	4/12/2008 1 24 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**95.5**	%REC	1	4/12/2008 1 24 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**90.2**	%REC	1	4/12/2008 1 24 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**98.5**	%REC	1	4/12/2008 1 24 00 AM	JSA
Surr Toluene-d8		80 1-122		**99.0**	%REC	1	4/12/2008 1 24 00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 56		**< 0 56**	mg/Kg-dry	1	4/15/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-023
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B815 (7-8 ft)
Collection Date: 4/7/2008 4:50:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0.56		**< 0.56**	mg/Kg-dry	1	4/15/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-024
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B815 (25-26 ft)
Collection Date: 4/7/2008 5:20:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**10.8**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**89.2**	%	1	4/10/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 27		**6.35**	mg/Kg-dry	1	4/15/2008 10 16 37 PM	LAL
Chromium	NELAP	0 91		**15.9**	mg/Kg-dry	1	4/15/2008 10 16 37 PM	LAL
Lead	NELAP	3 64		**11.3**	mg/Kg-dry	1	4/15/2008 10 16 37 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 08 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 08 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 08 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 08 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 08 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 08 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 08 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 08 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 08 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 08 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 08 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 08 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 08 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 08 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/11/2008 1 08 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 1 08 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**52.9**	%REC	1	4/11/2008 1 08 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**49.7**	%REC	1	4/11/2008 1 08 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**58.5**	%REC	1	4/11/2008 1 08 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**2.0**	µg/Kg-dry	1	4/12/2008 1 54 00 AM	JSA
Ethylbenzene	NELAP	4 3		**ND**	µg/Kg-dry	1	4/12/2008 1 54 00 AM	JSA
Toluene	NELAP	4 3	J	**2 2**	µg/Kg-dry	1	4/12/2008 1 54 00 AM	JSA
Xylenes, Total	NELAP	4 3		**ND**	µg/Kg-dry	1	4/12/2008 1 54 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**76 6**	%REC	1	4/12/2008 1 54 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**88.0**	%REC	1	4/12/2008 1 54 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**81 7**	%REC	1	4/12/2008 1 54 00 AM	JSA
Surr Toluene-d8		80 1-122		**89.3**	%REC	1	4/12/2008 1 54 00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 56		**< 0 56**	mg/Kg-dry	1	4/15/2008	AET

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-024
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B815 (25-26 ft)
Collection Date: 4/7/2008 5:20:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 56		**< 0.56**	mg/Kg-dry	1	4/15/2008	AET

Sample Narrative

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-025
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B813 (2.0-3 0 ft)
Collection Date: 4/7/2008 5:41:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**18.5**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**81 5**	%	1	4/10/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 041		**ND**	mg/Kg-dry	10	4/14/2008 7 26 00 PM	TDN
Acenaphthylene	NELAP	0 041		**0 126**	mg/Kg-dry	10	4/14/2008 7 26 00 PM	TDN
Anthracene	NELAP	0 041		**0 071**	mg/Kg-dry	10	4/14/2008 7 26 00 PM	TDN
Benzo(a)anthracene	NELAP	0 041		**0.296**	mg/Kg-dry	10	4/14/2008 7 26 00 PM	TDN
Benzo(a)pyrene	NELAP	0 041		**0.320**	mg/Kg-dry	10	4/14/2008 7 26 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 041		**0.472**	mg/Kg-dry	10	4/14/2008 7 26 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 041		**0.235**	mg/Kg-dry	10	4/14/2008 7 26 00 PM	TDN
Benzb(k)fluoranthene	NELAP	0 041		**0.146**	mg/Kg-dry	10	4/14/2008 7 26 00 PM	TDN
Chrysene	NELAP	0 041		**0.393**	mg/Kg-dry	10	4/14/2008 7 26 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 041		**0.058**	mg/Kg-dry	10	4/14/2008 7 26 00 PM	TDN
Fluoranthene	NELAP	0 041		**0.702**	mg/Kg-dry	10	4/14/2008 7 26 00 PM	TDN
Fluorene	NELAP	0 041		**ND**	mg/Kg-dry	10	4/14/2008 7 26 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 041		**0.196**	mg/Kg-dry	10	4/14/2008 7 26 00 PM	TDN
Naphthalene	NELAP	0 041		**ND**	mg/Kg-dry	10	4/14/2008 7 26 00 PM	TDN
Phenanthrene	NELAP	0 041		**0.497**	mg/Kg-dry	10	4/14/2008 7 26 00 PM	TDN
Pyrene	NELAP	0 041		**0.663**	mg/Kg-dry	10	4/14/2008 7 26 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**43.9**	%REC	10	4/14/2008 7 26 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**39.9**	%REC	10	4/14/2008 7 26 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**65.9**	%REC	10	4/14/2008 7 26 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**ND**	µg/Kg-dry	1	4/12/2008 2 24 00 AM	JSA
Ethylbenzene	NELAP	5 8		**ND**	µg/Kg-dry	1	4/12/2008 2 24 00 AM	JSA
Toluene	NELAP	5 8		**ND**	µg/Kg-dry	1	4/12/2008 2 24 00 AM	JSA
Xylenes, Total	NELAP	5 8		**ND**	µg/Kg-dry	1	4/12/2008 2 24 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**103.1**	%REC	1	4/12/2008 2 24 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**88.2**	%REC	1	4/12/2008 2 24 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**103.0**	%REC	1	4/12/2008 2 24 00 AM	JSA
Surr Toluene-d8		80 1-122		**96.5**	%REC	1	4/12/2008 2 24 00 AM	JSA

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-026
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B813 (6-7 ft)
Collection Date: 4/7/2008 5:57:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**21.4**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**78.6**	%	1	4/10/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 1:45:00 PM	TDN
Acenaphthylene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 1:45:00 PM	TDN
Anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 1:45:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 1:45:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 1:45:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 1:45:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 1:45:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 1:45:00 PM	TDN
Chrysene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 1:45:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 1:45:00 PM	TDN
Fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 1:45:00 PM	TDN
Fluorene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 1:45:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 1:45:00 PM	TDN
Naphthalene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 1:45:00 PM	TDN
Phenanthrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 1:45:00 PM	TDN
Pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	4/11/2008 1:45:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		**44.7**	%REC	1	4/11/2008 1:45:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		**53.7**	%REC	1	4/11/2008 1:45:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		**68.7**	%REC	1	4/11/2008 1:45:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.0		**3.8**	µg/Kg-dry	1	4/14/2008 11:33:00 AM	JSA
Ethylbenzene	NELAP	5.2	J	**4.2**	µg/Kg-dry	1	4/14/2008 11:33:00 AM	JSA
Toluene	NELAP	5.2		**11.2**	µg/Kg-dry	1	4/14/2008 11:33:00 AM	JSA
Xylenes, Total	NELAP	5.2		**11.7**	µg/Kg-dry	1	4/14/2008 11:33:00 AM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		**95.3**	%REC	1	4/14/2008 11:33:00 AM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		**94.9**	%REC	1	4/14/2008 11:33:00 AM	JSA
Surr: Dibromofluoromethane		66.6-130		**96.9**	%REC	1	4/14/2008 11:33:00 AM	JSA
Surr: Toluene-d8		80.1-122		**98.3**	%REC	1	4/14/2008 11:33:00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX· 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-027
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B813 (11-12 ft)
Collection Date: 4/7/2008 6:10·00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**12.1**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**87 9**	%	1	4/10/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 2 23 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 2 23 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 2 23 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 2 23 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 2 23 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 2 23 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 2 23 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 2 23 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 2 23 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 2 23 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 2 23 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 2 23 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 2 23 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 2 23 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 2 23 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 2 23 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**57 3**	%REC	1	4/11/2008 2 23 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**52 7**	%REC	1	4/11/2008 2 23 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**68 1**	%REC	1	4/11/2008 2 23 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**2.9**	µg/Kg-dry	1	4/14/2008 12 03 00 PM	JSA
Ethylbenzene	NELAP	4 6	J	**1.9**	µg/Kg-dry	1	4/14/2008 12 03 00 PM	JSA
Toluene	NELAP	4 6		**5.3**	µg/Kg-dry	1	4/14/2008 12 03 00 PM	JSA
Xylenes, Total	NELAP	4 6		**5 3**	µg/Kg-dry	1	4/14/2008 12 03 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**98.0**	%REC	1	4/14/2008 12 03 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**78.3**	%REC	1	4/14/2008 12 03 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**104.8**	%REC	1	4/14/2008 12 03 00 PM	JSA
Surr Toluene-d8		80 1-122		**90.0**	%REC	1	4/14/2008 12 03 00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-031
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B801 (2.0-3.0 ft)
Collection Date: 4/8/2008 10:42:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**22.2**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**77 8**	%	1	4/10/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 009		**ND**	mg/Kg-dry	2	4/12/2008 4 42 00 AM	TDN
Acenaphthylene	NELAP	0 009		**0 073**	mg/Kg-dry	2	4/12/2008 4 42 00 AM	TDN
Anthracene	NELAP	0 009		**0 074**	mg/Kg-dry	2	4/12/2008 4 42 00 AM	TDN
Benzo(a)anthracene	NELAP	0 009		**0 216**	mg/Kg-dry	2	4/12/2008 4 42 00 AM	TDN
Benzo(a)pyrene	NELAP	0 009		**0 206**	mg/Kg-dry	2	4/12/2008 4 42 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 009		**0.279**	mg/Kg-dry	2	4/12/2008 4 42 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 009		**0.094**	mg/Kg-dry	2	4/12/2008 4 42 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 009		**0 103**	mg/Kg-dry	2	4/12/2008 4 42 00 AM	TDN
Chrysene	NELAP	0 009		**0.236**	mg/Kg-dry	2	4/12/2008 4 42 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 009		**0.033**	mg/Kg-dry	2	4/12/2008 4 42 00 AM	TDN
Fluoranthene	NELAP	0 009		**0.489**	mg/Kg-dry	2	4/12/2008 4 42 00 AM	TDN
Fluorene	NELAP	0 009		**0 025**	mg/Kg-dry	2	4/12/2008 4 42 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 009		**0.101**	mg/Kg-dry	2	4/12/2008 4 42 00 AM	TDN
Naphthalene	NELAP	0 009		**0 019**	mg/Kg-dry	2	4/12/2008 4 42 00 AM	TDN
Phenanthrene	NELAP	0 009		**0.335**	mg/Kg-dry	2	4/12/2008 4 42 00 AM	TDN
Pyrene	NELAP	0 009		**0 396**	mg/Kg-dry	2	4/12/2008 4 42 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**64.3**	%REC	2	4/12/2008 4 42 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**62.7**	%REC	2	4/12/2008 4 42 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**65.5**	%REC	2	4/12/2008 4 42 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**ND**	µg/Kg-dry	1	4/14/2008 3 02 00 PM	JSA
Ethylbenzene	NELAP	6 0	J	**1.5**	µg/Kg-dry	1	4/14/2008 3 02 00 PM	JSA
Toluene	NELAP	6 0	J	**2 4**	µg/Kg-dry	1	4/14/2008 3 02 00 PM	JSA
Xylenes, Total	NELAP	6 0	J	**4.8**	µg/Kg-dry	1	4/14/2008 3 02 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**97.1**	%REC	1	4/14/2008 3 02 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117	S	**75.4**	%REC	1	4/14/2008 3 02 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**99.2**	%REC	1	4/14/2008 3 02 00 PM	JSA
Surr Toluene-d8		80 1-122		**93.8**	%REC	1	4/14/2008 3 02 00 PM	JSA
SW-846 9045C								
pH (1 1)	NELAP	1 00		**7 71**		1	4/14/2008 1 26 00 PM	KNL

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Elevated reporting limit due to high levels of target and/or non-target analytes
SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-031
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B801 (2 0-3.0 ft)
Collection Date: 4/8/2008 10:42:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst

Surrogate recovery was outside QC limits due to matrix interference

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-032
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B801 (9 0-10.0 ft)
Collection Date: 4/8/2008 10:57:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**12 8**	%	1	4/10/2008	TWM
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**87 2**	%	1	4/10/2008	TWM
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0.013**	mg/Kg-dry	1	4/11/2008 4 16 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0 022**	mg/Kg-dry	1	4/11/2008 4 16 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 16 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 16 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 16 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 16 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 16 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 16 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 16 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 16 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 16 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 16 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 16 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 16 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 16 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 16 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**52.1**	%REC	1	4/11/2008 4 16 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**49.1**	%REC	1	4/11/2008 4 16 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**61.9**	%REC	1	4/11/2008 4 16 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**2 7**	µg/Kg-dry	1	4/14/2008 3 33 00 PM	JSA
Ethylbenzene	NELAP	4 2	J	**2 3**	µg/Kg-dry	1	4/14/2008 3 33 00 PM	JSA
Toluene	NELAP	4 2		**6.3**	µg/Kg-dry	1	4/14/2008 3 33 00 PM	JSA
Xylenes, Total	NELAP	4 2		**6.0**	µg/Kg-dry	1	4/14/2008 3 33 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**88.7**	%REC	1	4/14/2008 3 33 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**95.9**	%REC	1	4/14/2008 3 33 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**92 6**	%REC	1	4/14/2008 3 33 00 PM	JSA
Surr Toluene-d8		80 1-122		**101.3**	%REC	1	4/14/2008 3 33 00 PM	JSA
SW-846 9045C								
pH (1 1)	NELAP	1 00		**8.22**		1	4/14/2008 1 28 00 PM	KNL

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-033
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B801 (25 0-26 0 ft)
Collection Date: 4/8/2008 11.30 00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**11.3**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**88.7**	%	1	4/10/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 54 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 54 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 54 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 54 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 54 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 54 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 54 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 54 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 54 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 54 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 54 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 54 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 54 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 54 00 PM	TDN
Phenanthrene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	4/11/2008 4 54 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 4 54 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**57.5**	%REC	1	4/11/2008 4 54 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**52.9**	%REC	1	4/11/2008 4 54 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**67.3**	%REC	1	4/11/2008 4 54 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**ND**	µg/Kg-dry	1	4/14/2008 4 03 00 PM	JSA
Ethylbenzene	NELAP	3 9		**ND**	µg/Kg-dry	1	4/14/2008 4 03 00 PM	JSA
Toluene	NELAP	3 9	J	**0.8**	µg/Kg-dry	1	4/14/2008 4 03 00 PM	JSA
Xylenes, Total	NELAP	3 9		**ND**	µg/Kg-dry	1	4/14/2008 4 03 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**78.7**	%REC	1	4/14/2008 4 03 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**98.6**	%REC	1	4/14/2008 4 03 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**81 4**	%REC	1	4/14/2008 4 03 00 PM	JSA
Surr Toluene-d8		80 1-122		**99.5**	%REC	1	4/14/2008 4 03 00 PM	JSA
SW-846 9045C								
pH (1 1)	NELAP	1 00		**8.09**		1	4/14/2008 1 30 00 PM	KNL

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-034
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B806 (2-3 ft)
Collection Date: 4/8/2008 12.00 00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19 0**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**81 0**	%	1	4/10/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 32 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 32 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 32 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.006**	mg/Kg-dry	1	4/11/2008 5 32 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.005**	mg/Kg-dry	1	4/11/2008 5 32 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.007**	mg/Kg-dry	1	4/11/2008 5 32 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.004**	mg/Kg-dry	1	4/11/2008 5 32 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 32 00 PM	TDN
Chrysene	NELAP	0 004		**0.004**	mg/Kg-dry	1	4/11/2008 5 32 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 32 00 PM	TDN
Fluoranthene	NELAP	0 004		**0.007**	mg/Kg-dry	1	4/11/2008 5 32 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 32 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 32 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 32 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 5 32 00 PM	TDN
Pyrene	NELAP	0 004		**0.007**	mg/Kg-dry	1	4/11/2008 5 32 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**49.7**	%REC	1	4/11/2008 5 32 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**55 1**	%REC	1	4/11/2008 5 32 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**61.7**	%REC	1	4/11/2008 5 32 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**ND**	µg/Kg-dry	1	4/14/2008 4 33 00 PM	JSA
Ethylbenzene	NELAP	6 2		**ND**	µg/Kg-dry	1	4/14/2008 4 33 00 PM	JSA
Toluene	NELAP	6 2	J	**2 0**	µg/Kg-dry	1	4/14/2008 4 33 00 PM	JSA
Xylenes, Total	NELAP	6 2	J	**2 0**	µg/Kg-dry	1	4/14/2008 4 33 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**98.1**	%REC	1	4/14/2008 4 33 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**94.8**	%REC	1	4/14/2008 4 33 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**98.9**	%REC	1	4/14/2008 4 33 00 PM	JSA
Surr Toluene-d8		80 1-122		**96.5**	%REC	1	4/14/2008 4 33 00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-035
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B806 (8 5-9 5 ft)
Collection Date: 4/8/2008 12 15.00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
FOC (0 58 conversion factor)		0 10		**0 36**	wt%	1	4/10/2008	TWN
Organic Matter		0 10		**0.63**	wt%	1	4/10/2008	TWN
Percent Moisture		0 1		**14 5**	%	1	4/10/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**85 5**	%	1	4/10/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 10 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 10 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 10 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 10 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 10 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 10 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 10 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 10 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 10 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 10 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 10 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 10 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 10 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 10 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 10 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 10 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**63 7**	%REC	1	4/11/2008 6 10 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**59.7**	%REC	1	4/11/2008 6 10 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**68.7**	%REC	1	4/11/2008 6 10 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**ND**	µg/Kg-dry	1	4/14/2008 5 04 00 PM	JSA
Ethylbenzene	NELAP	4 6		**ND**	µg/Kg-dry	1	4/14/2008 5 04 00 PM	JSA
Toluene	NELAP	4 6	J	**1 8**	µg/Kg-dry	1	4/14/2008 5 04 00 PM	JSA
Xylenes, Total	NELAP	4 6	J	**1.6**	µg/Kg-dry	1	4/14/2008 5 04 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**96.0**	%REC	1	4/14/2008 5 04 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**94 2**	%REC	1	4/14/2008 5 04 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**99.6**	%REC	1	4/14/2008 5 04 00 PM	JSA
Surr Toluene-d8		80 1-122		**98.5**	%REC	1	4/14/2008 5 04 00 PM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-036
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B806 (11-12 ft)
Collection Date: 4/8/2008 12:30.00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
FOC (0 58 conversion factor)		0 10		**0 39**	wt%	1	4/10/2008	TWM
Organic Matter		0 10		**0.67**	wt%	1	4/10/2008	TWM
Percent Moisture		0 1		**13 5**	%	1	4/10/2008	TWM
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**86.5**	%	1	4/10/2008	TWM
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 40		**6.78**	mg/Kg-dry	1	4/15/2008 10 23 22 PM	LAL
Chromium	NELAP	0 96		**16.6**	mg/Kg-dry	1	4/15/2008 10 23 22 PM	LAL
Lead	NELAP	3 85		**11.0**	mg/Kg-dry	1	4/15/2008 10 23 22 PM	LAL
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 48 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 48 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 48 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 48 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 48 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 48 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 48 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 48 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 48 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 48 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 48 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 48 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 48 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 48 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 48 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	4/11/2008 6 48 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**53.7**	%REC	1	4/11/2008 6 48 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**52.7**	%REC	1	4/11/2008 6 48 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**63.9**	%REC	1	4/11/2008 6 48 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 0		**2.3**	µg/Kg-dry	1	4/14/2008 5 34 00 PM	JSA
Ethylbenzene	NELAP	4 8	J	**1 8**	µg/Kg-dry	1	4/14/2008 5 34 00 PM	JSA
Toluene	NELAP	4 8		**5 3**	µg/Kg-dry	1	4/14/2008 5 34 00 PM	JSA
Xylenes, Total	NELAP	4 8	J	**4.6**	µg/Kg-dry	1	4/14/2008 5 34 00 PM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**96 4**	%REC	1	4/14/2008 5 34 00 PM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**97.4**	%REC	1	4/14/2008 5 34 00 PM	JSA
Surr Dibromofluoromethane		66 6-130		**97.6**	%REC	1	4/14/2008 5 34 00 PM	JSA
Surr Toluene-d8		80 1-122		**98 8**	%REC	1	4/14/2008 5 34 00 PM	JSA

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08040412
Lab ID: 08040412-036
Report Date: 16-Apr-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B806 (11-12 ft)
Collection Date: 4/8/2008 12:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9010B, 9014								
Cyanide	NELAP	0 57		**< 0 57**	mg/Kg-dry	1	4/15/2008	AET
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 57		**< 0.57**	mg/Kg-dry	1	4/15/2008	AET

Sample Narrative

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412
Report Date: 16-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040412-001A	B834 (1 0-2 0 ft)	4/4/2008	Solid	ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/14/2008
08040412-001D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/11/2008
08040412-002A	B834 (6 0-7 0 ft)			ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
040412-002D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/12/2008
08040412-003A	B834 (11 5-12 5 ft)			ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 3550B, 8015B, Total Petroleum Hydrocarbons (OA-2) by GC/FID	4/11/2008	4/11/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/14/2008
08040412-003D				SW-846 5035, 8260B, Gasoline Range Organics (OA-1) by GC/MS	4/10/2008	4/11/2008
08040412-004A	B834 (15 0-16 0 ft)			ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/14/2008
08040412-004D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/12/2008
08040412-005A	B834 (21 0-22 0 ft)			ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008

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Client: Philip Environmental

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412
Report Date: 16-Apr-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040412-005A	B834 (21 0-22 0 ft)	4/4/2008	Solid	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-005D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/12/2008
08040412-006A	B805 (1-2 ft)	4/9/2008		SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-006B				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008
				SW-846 9014A	4/14/2008	4/15/2008
08040412-006E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/11/2008
08040412-007A	B805 (7-8 ft)			SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-007B				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008
				SW-846 9014A	4/14/2008	4/15/2008
08040412-007E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/11/2008
08040412-008A	B805 (13 0-14 0 ft)			SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-008B				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008
				SW-846 9014A	4/14/2008	4/15/2008

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412
Report Date: 16-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040412-008E	B805 (13 0-14 0 ft)	4/9/2008	Solid	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/11/2008
08040412-009A	B807 (2 0-3 0 ft)	4/8/2008		ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/12/2008
08040412-009D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/11/2008
08040412-010A	B807 (2 0-3 0 ft) DUP			ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/12/2008
08040412-010D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/11/2008
08040412-011A	B807 (8 5-9 5 ft)			SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-011B				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008
				SW-846 9014A	4/14/2008	4/15/2008
08040412-011E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/11/2008
08040412-012A	B807 (13-14 ft)			SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-012B				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008
				SW-846 9014A	4/14/2008	4/15/2008

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Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412
Report Date: 16-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040412-012B	B807 (13-14 ft)	4/8/2008	Solid	SW-846 9045C		4/14/2008
08040412-012E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/11/2008
08040412-013A	B804 (1 5-2 5 ft)			SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/12/2008
08040412-013B				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008
				SW-846 9014A	4/14/2008	4/15/2008
08040412-013E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/11/2008
08040412-014A	B804 (8 5-9 5 ft)			SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-014B				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008
				SW-846 9014A	4/14/2008	4/15/2008
08040412-014E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/11/2008
08040412-015A	B804 (15-16 ft)			ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-015D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/11/2008
08040412-016A	B819 (2-3 ft)	4/7/2008		SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/12/2008

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412
Report Date: 16-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040412-016A	B819 (2-3 ft)	4/7/2008	Solid	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/14/2008
08040412-016B				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008
				SW-846 9014A	4/14/2008	4/15/2008
08040412-016E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/11/2008
08040412-017A	B819 (8 5-9 5 ft)			SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-017B				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008
				SW-846 9014A	4/14/2008	4/15/2008
08040412-017E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/11/2008
08040412-018A	B819 (28-29 ft)			SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-018B				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008
				SW-846 9014A	4/14/2008	4/15/2008
08040412-018E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/11/2008
08040412-019A	B817 (2-3 ft)			SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/12/2008

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412
Report Date: 16-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040412-019B	B817 (2-3 ft)	4/7/2008	Solid	ASTM D2974		4/10/2008
				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008
				SW-846 9014A	4/14/2008	4/15/2008
				SW-846 9045C		4/14/2008
08040412-019E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/11/2008
08040412-020A	B817 (8 0-9 0 ft)			SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-020B				ASTM D2974		4/10/2008
				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008
				SW-846 9014A	4/14/2008	4/15/2008
				SW-846 9045C		4/14/2008
08040412-020E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/12/2008
08040412-021A	B817 (26-27 ft)			SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-021B				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008
				SW-846 9014A	4/14/2008	4/15/2008

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412
Report Date: 16-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040412-021B	B817 (26-27 ft)	4/7/2008	Solid	SW-846 9045C		4/14/2008
08040412-021E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/12/2008
08040412-022A	B815 (2-3 ft)			SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-022B				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008
				SW-846 9014A	4/14/2008	4/15/2008
08040412-022E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/12/2008
08040412-023A	B815 (7-8 ft)			SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-023B				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008
				SW-846 9014A	4/14/2008	4/15/2008
08040412-023E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/12/2008
08040412-024A	B815 (25-26 ft)			SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-024B				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008
				SW-846 9014A	4/14/2008	4/15/2008

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Client: Philip Environmental

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412
Report Date: 16-Apr-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040412-024E	B815 (25-26 ft)	4/7/2008	Solid	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/12/2008
08040412-025A	B813 (2 0-3 0 ft)			ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/14/2008
08040412-025D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/11/2008	4/12/2008
08040412-026A	B813 (6-7 ft)			ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-026D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/14/2008	4/14/2008
08040412-027A	B813 (11-12 ft)			ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-027D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/14/2008	4/14/2008
08040412-031A	B801 (2 0-3 0 ft)	4/8/2008		ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/12/2008
				SW-846 9045C		4/14/2008
08040412-031D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/14/2008	4/14/2008
08040412-032A	B801 (9 0-10 0 ft)			ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412
Report Date: 16-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040412-032A	B801 (9 0-10 0 ft)	4/8/2008	Solid	SW-846 9045C		4/14/2008
08040412-032D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/14/2008	4/14/2008
08040412-033A	B801 (25 0-26 0 ft)			ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
				SW-846 9045C		4/14/2008
08040412-033D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/14/2008	4/14/2008
08040412-034A	B806 (2-3 ft)			ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-034D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/14/2008	4/14/2008
08040412-035A	B806 (8 5-9 5 ft)			ASTM D2974		4/10/2008
				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-035D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/14/2008	4/14/2008
08040412-036A	B806 (11-12 ft)			SW-846 3050B, 6010B, Metals by ICP	4/13/2008	4/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	4/10/2008	4/11/2008
08040412-036B				ASTM D2974		4/10/2008
				ASTM D2974		4/10/2008
				Standard Methods 18th Ed 2540 G		4/10/2008
				SW-846 9010B, 9014	4/10/2008	4/15/2008

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412
Report Date: 16-Apr-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08040412-036B	B806 (11-12 ft)	4/8/2008	Solid	SW-846 9014A	4/14/2008	4/15/2008
08040412-036E				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	4/14/2008	4/14/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412 **Report Date:** *16-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_ACN_S_MT

Sample ID	MB-R106845	SampType	MBLK			Units	mg/Kg	Prep Date	4/14/2008	RunNo	106845	
Client ID	ZZZZZZ	Batch ID	44058				SOP2092	Analysis Date	4/15/2008	SeqNo	1911159	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination		< 0 01	0 01									

Sample ID	LCS-R106845	SampType	LCS			Units	mg/Kg	Prep Date	4/14/2008	RunNo	106845	
Client ID	ZZZZZZ	Batch ID	44058				SOP2092	Analysis Date	4/15/2008	SeqNo	1911160	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination		0 19	0 01	0 2000	0	97 0	85	115				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412 **Report Date:** *16-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_OM_D_M

Sample ID	**08040412-019BDUP**	SampType	**DUP**		Units	**wt%**	Prep Date		RunNo	**106824**	
Client ID	**B817 (2-3 ft)DUP**	Batch ID	**R106824**				Analysis Date	**4/10/2008**	SeqNo	**1910687**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
FOC (0 58 conversion factor)	2 87	0 10						2 319	21 2	25	
Organic Matter	4 94	0 10						3 998	21 2	25	

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Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412 **Report Date:** *16-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TCN_S_MT

Sample ID	MB-R106842	SampType	MBLK			Units	mg/Kg	Prep Date	4/10/2008		RunNo	106842	
Client ID	ZZZZZZ	Batch ID	44046				SW9010	Analysis Date	4/15/2008		SeqNo	1911053	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide			< 0 01	0 01									

Sample ID	LCS-R106842	SampType	LCS			Units	mg/Kg	Prep Date	4/10/2008		RunNo	106842	
Client ID	ZZZZZZ	Batch ID	44046				SW9010	Analysis Date	4/15/2008		SeqNo	1911054	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide			0 19	0 01	0 2000	0	93 4	85	115				

Sample ID	LCSD-R106842	SampType	LCSD			Units	mg/Kg	Prep Date	4/10/2008		RunNo	106842	
Client ID	ZZZZZZ	Batch ID	44046				SW9010	Analysis Date	4/15/2008		SeqNo	1911055	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide			0 19	0 01	0 2000	0	96 7	85	115	0 1868	3 52	15	

Sample ID	08040412-008BMS	SampType	MS			Units	mg/Kg-dry	Prep Date	4/10/2008		RunNo	106842	
Client ID	B805 (13 0-14.0 ft)M	Batch ID	44046				SW9010	Analysis Date	4/15/2008		SeqNo	1911059	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide			5 73	0 55	5 549	0	103 3	80	120				

Sample ID	08040412-008BMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date	4/10/2008		RunNo	106842	
Client ID	B805 (13 0-14.0 ft)M	Batch ID	44046				SW9010	Analysis Date	4/15/2008		SeqNo	1911060	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide			5 52	0 55	5 522	0	99 9	80	120	5 730	3 77	20	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412 **Report Date:** *16-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TS_M_MT

Sample ID	LCS-R106686	SampType	LCS			Units	%	Prep Date		RunNo	106686		
Client ID	ZZZZZZ	Batch ID	R106686					Analysis Date	4/10/2008	SeqNo	1905915		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Solids		1 0	0 1	1 000	0	100	90	110					

Sample ID	LCSQC	SampType	LCSQC			Units	%	Prep Date		RunNo	106686		
Client ID	ZZZZZZ	Batch ID	R106686					Analysis Date	4/10/2008	SeqNo	1905916		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Solids		1 0	0 1	1 000	0	98 0	90	110					

Sample ID	08040412-019BDUP	SampType	DUP			Units	%	Prep Date		RunNo	106686		
Client ID	B817 (2-3 ft)DUP	Batch ID	R106686					Analysis Date	4/10/2008	SeqNo	1905921		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Solids		78 3	0 1						78 75	0 535	15		

Sample ID	08040412-010ADUP	SampType	DUP			Units	%	Prep Date		RunNo	106686		
Client ID	B807 (2.0-3 0 ft) DU	Batch ID	R106686					Analysis Date	4/10/2008	SeqNo	1905998		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Solids		81 6	0 1						82 58	1 23	15		

Sample ID	08040412-031ADUP	SampType	DUP			Units	%	Prep Date		RunNo	106686		
Client ID	B801 (2.0-3 0 ft)DUP	Batch ID	R106686					Analysis Date	4/10/2008	SeqNo	1906015		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Solids		77 4	0 1						77 83	0 515	15		

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412 **Report Date:** *16-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: L_PH_S_M

Sample ID	**LCS-R106754**	SampType	**LCS**			Units		Prep Date		RunNo	**106754**	
Client ID	**ZZZZZZ**	Batch ID	**R106754**					Analysis Date	**4/14/2008**	SeqNo	**1908334**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH (1 1)		7 01	1 00	7 000	0	100 1	99 1	100 9				

Sample ID	**08040412-012BDUP**	SampType	**DUP**			Units		Prep Date		RunNo	**106754**	
Client ID	**B807 (13-14 ft)DUP**	Batch ID	**R106754**					Analysis Date	**4/14/2008**	SeqNo	**1908890**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH (1 1)		8 15	1 00						8 130	0 246	10	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412 **Report Date:** *16-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_SOLIDS_ICP

Sample ID	MB-44039	SampType	MBLK	Units	mg/Kg-dry	Prep Date	4/13/2008	RunNo	106812
Client ID	ZZZZZZ	Batch ID	44039		SOP 3032	Analysis Date	4/15/2008	SeqNo	1910453

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	< 4 00	4 00	4 000	0	0	-100	100				

Sample ID	LCS-44039	SampType	LCS	Units	mg/Kg-dry	Prep Date	4/13/2008	RunNo	106812
Client ID	ZZZZZZ	Batch ID	44039		SOP 3032	Analysis Date	4/15/2008	SeqNo	1910454

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	49 6	4 00	50 00	0	99 2	85	115				

Sample ID	MB-44039	SampType	MBLK	Units	mg/Kg-dry	Prep Date	4/13/2008	RunNo	106847
Client ID	ZZZZZZ	Batch ID	44039		SOP 3032	Analysis Date	4/15/2008	SeqNo	1911298

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 2 50	2 50	2 500	0	0	-100	100				
Chromium	< 1 00	1 00	1 000	0	0	-100	100				
Lead	< 4 00	4 00	4 000	0	0	-100	100				

Sample ID	LCS-44039	SampType	LCS	Units	mg/Kg-dry	Prep Date	4/13/2008	RunNo	106847
Client ID	ZZZZZZ	Batch ID	44039		SOP 3032	Analysis Date	4/15/2008	SeqNo	1911299

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	210	2 50	200 0	0	104 9	85	115				
Chromium	20 5	1 00	20 00	0	102 5	85	115				
Lead	52 9	4 00	50 00	0	105 8	85	115				

Sample ID	08040412-008AMS	SampType	MS	Units	mg/Kg-dry	Prep Date	4/13/2008	RunNo	106847
Client ID	B805 (13.0-14 0 ft)M	Batch ID	44039		SOP 3032	Analysis Date	4/15/2008	SeqNo	1911304

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	206	2 50	200 0	8 250	98 9	75	125				
Chromium	34 0	1 00	20 00	16 25	88 9	75	125				

ANALYTICAL QC SUMMARY REPORT

TestCode: M_SOLIDS_ICP

Sample ID	**08040412-008AMS**	SampType	**MS**			Units	**mg/Kg-dry**	Prep Date	**4/13/2008**		RunNo	**106847**	
Client ID	**B805 (13.0-14.0 ft)M**	Batch ID	**44039**				**SOP 3032**	Analysis Date	**4/15/2008**		SeqNo	**1911304**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead		56 4	4 00	50 00	11 56	89 7	75	125					

Sample ID	**08040412-008AMSD**	SampType	**MSD**			Units	**mg/Kg-dry**	Prep Date	**4/13/2008**		RunNo	**106847**	
Client ID	**B805 (13.0-14.0 ft)M**	Batch ID	**44039**				**SOP 3032**	Analysis Date	**4/15/2008**		SeqNo	**1911305**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		207	2 50	200 0	8 250	99 2	75	125	206 1	0 291	20		
Chromium		34 4	1 00	20 00	16 25	90 9	75	125	34 02	1 17	20		
Lead		56 7	4 00	50 00	11 56	90 3	75	125	56 39	0 584	20		

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ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID **MB-43982**	SampType **MBLK**	Units **mg/Kg**	Prep Date **4/10/2008**	RunNo **106666**
Client ID **ZZZZZZ**	Batch ID **43982**	**SW3550B**	Analysis Date **4/11/2008**	SeqNo **1905573**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 003									
Acenaphthylene	ND	0 003									
Anthracene	ND	0 003									
Benzo(a)anthracene	ND	0 003									
Benzo(a)pyrene	ND	0 003									
Benzo(b)fluoranthene	ND	0 003									
Benzo(g,h,i)perylene	ND	0 003									
Benzo(k)fluoranthene	ND	0 003									
Chrysene	ND	0 003									
Dibenzo(a,h)anthracene	ND	0 003									
Fluoranthene	ND	0 003									
Fluorene	ND	0 003									
Indeno(1,2,3-cd)pyrene	ND	0 003									
Naphthalene	ND	0 003									
Phenanthrene	ND	0 003									
Pyrene	ND	0 003									
Surr 2-Fluorobiphenyl	0 108		0 1670		64 5	17 5	123				
Surr Nitrobenzene-d5	0 097		0 1670		57 9	35	105				
Surr p-Terphenyl-d14	0 122		0 1670		73 3	53 6	122				

Sample ID **LCS-43982**	SampType **LCS**	Units **mg/Kg**	Prep Date **4/10/2008**	RunNo **106666**
Client ID **ZZZZZZ**	Batch ID **43982**	**SW3550B**	Analysis Date **4/11/2008**	SeqNo **1905574**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 106	0 003	0 1670	0	63 5	56 3	115				
Acenaphthylene	0 132	0 003	0 1670	0	78 8	60 3	143				
Anthracene	0 103	0 003	0 1670	0	61 9	52 1	109				
Benzo(a)anthracene	0 105	0 003	0 1670	0	63 0	52 8	112				
Benzo(a)pyrene	0 108	0 003	0 1670	0	64 8	40 8	127				
Benzo(b)fluoranthene	0 120	0 003	0 1670	0	71 7	50 1	150				
Benzo(g,h,i)perylene	0 120	0 003	0 1670	0	72 1	52 8	145				

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID **LCS-43982**	SampType **LCS**			Units **mg/Kg**		Prep Date **4/10/2008**		RunNo **106666**			
Client ID **ZZZZZZ**	Batch ID **43982**			**SW3550B**		Analysis Date **4/11/2008**		SeqNo **1905574**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0 121	0 003	0 1670	0	72 6	52	153				
Chrysene	0 118	0 003	0 1670	0	70 9	60 8	128				
Dibenzo(a,h)anthracene	0 117	0 003	0 1670	0	70 1	54 9	150				
Fluoranthene	0 111	0 003	0 1670	0	66 4	58 7	125				
Fluorene	0 113	0 003	0 1670	0	67 6	57 8	125				
Indeno(1,2,3-cd)pyrene	0 115	0 003	0 1670	0	68 6	52	147				
Naphthalene	0 096	0 003	0 1670	0	57 5	54 8	113				
Phenanthrene	0 110	0 003	0 1670	0	65 9	60 4	121				
Pyrene	0 116	0 003	0 1670	0	69 4	57 9	129				
Surr 2-Fluorobiphenyl	0 120		0 1670		71 7	35 3	113				
Surr Nitrobenzene-d5	0 103		0 1670		61 9	33 9	108				
Surr p-Terphenyl-d14	0 127		0 1670		75 8	58 4	122				

Sample ID **MB-43988**	SampType **MBLK**			Units **mg/Kg**		Prep Date **4/10/2008**		RunNo **106668**			
Client ID **ZZZZZZ**	Batch ID **43988**			**SW3550B**		Analysis Date **4/11/2008**		SeqNo **1905582**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 003									
Acenaphthylene	ND	0 003									
Anthracene	ND	0 003									
Benzo(a)anthracene	ND	0 003									
Benzo(a)pyrene	ND	0 003									
Benzo(b)fluoranthene	ND	0 003									
Benzo(g,h,i)perylene	ND	0 003									
Benzo(k)fluoranthene	ND	0 003									
Chrysene	ND	0 003									
Dibenzo(a,h)anthracene	ND	0 003									
Fluoranthene	ND	0 003									
Fluorene	ND	0 003									
Indeno(1,2,3-cd)pyrene	ND	0 003									
Naphthalene	ND	0 003									

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412 **Report Date:** *16-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID	MB-43988	SampType	MBLK			Units	mg/Kg	Prep Date	4/10/2008	RunNo	106668	
Client ID	ZZZZZZ	Batch ID	43988				SW3550B	Analysis Date	4/11/2008	SeqNo	1905582	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene		ND	0 003									
Pyrene		ND	0 003									
Surr	2-Fluorobiphenyl	0 113		0 1670		67 5	17 5	123				
Surr	Nitrobenzene-d5	0 105		0 1670		63 1	35	105				
Surr	p-Terphenyl-d14	0 125		0 1670		74 9	53 6	122				

Sample ID	LCS-43988	SampType	LCS			Units	mg/Kg	Prep Date	4/10/2008	RunNo	106668	
Client ID	ZZZZZZ	Batch ID	43988				SW3550B	Analysis Date	4/11/2008	SeqNo	1905583	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene		0 106	0 003	0 1670	0	63 3	56 3	115				
Acenaphthylene		0 125	0 003	0 1670	0	74 7	60 3	143				
Anthracene		0 107	0 003	0 1670	0	64 0	52 1	109				
Benzo(a)anthracene		0 117	0 003	0 1670	0	70 1	52 8	112				
Benzo(a)pyrene		0 111	0 003	0 1670	0	66 7	40 8	127				
Benzo(b)fluoranthene		0 126	0 003	0 1670	0	75 6	50 1	150				
Benzo(g,h,i)perylene		0 123	0 003	0 1670	0	73 9	52 8	145				
Benzo(k)fluoranthene		0 125	0 003	0 1670	0	74 9	52	153				
Chrysene		0 128	0 003	0 1670	0	76 7	60 8	128				
Dibenzo(a,h)anthracene		0 119	0 003	0 1670	0	71 0	54 9	150				
Fluoranthene		0 119	0 003	0 1670	0	71 2	58 7	125				
Fluorene		0 109	0 003	0 1670	0	65 5	57 8	125				
Indeno(1,2,3-cd)pyrene		0 118	0 003	0 1670	0	70 8	52	147				
Naphthalene		0 100	0 003	0 1670	0	59 7	54 8	113				
Phenanthrene		0 115	0 003	0 1670	0	68 7	60 4	121				
Pyrene		0 122	0 003	0 1670	0	73 3	57 9	129				
Surr	2-Fluorobiphenyl	0 098		0 1670		58 7	35 3	113				
Surr	Nitrobenzene-d5	0 096		0 1670		57 7	33 9	108				
Surr	p-Terphenyl-d14	0 120		0 1670		71 9	58 4	122				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412 **Report Date:** *16-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID	**08040412-021AMS**	SampType	**MS**			Units	**mg/Kg-dry**	Prep Date	**4/10/2008**		RunNo	**106668**	
Client ID	**B817 (26-27 ft)MS**	Batch ID	**43988**				**SW3550B**	Analysis Date	**4/11/2008**		SeqNo	**1907520**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Acenaphthene		0 125	0 004	0 1844	0	67 6	36	135					
Acenaphthylene		0 141	0 004	0 1844	0	76 4	17 2	167					
Anthracene		0 121	0 004	0 1844	0	65 6	39 3	124					
Benzo(a)anthracene		0 123	0 004	0 1844	0	66 7	10	183					
Benzo(a)pyrene		0 125	0 004	0 1844	0	67 5	10	204					
Benzo(b)fluoranthene		0 127	0 004	0 1844	0	69 0	10 6	178					
Benzo(g,h,i)perylene		0 131	0 004	0 1844	0	70 9	10	168					
Benzo(k)fluoranthene		0 134	0 004	0 1844	0	72 5	27 6	181					
Chrysene		0 138	0 004	0 1844	0	74 6	10	176					
Dibenzo(a,h)anthracene		0 125	0 004	0 1844	0	67 8	12 2	156					
Fluoranthene		0 117	0 004	0 1844	0	63 2	10	227					
Fluorene		0 119	0 004	0 1844	0	64 7	35 2	148					
Indeno(1,2,3-cd)pyrene		0 126	0 004	0 1844	0	68 1	10	164					
Naphthalene		0 124	0 004	0 1844	0 02097	55 7	14 7	128					
Phenanthrene		0 129	0 004	0 1844	0 008358	65 4	32 8	143					
Pyrene		0 127	0 004	0 1844	0	68 8	10	180					
Surr	2-Fluorobiphenyl	0 127		0 1844		69 1	10	131					
Surr	Nitrobenzene-d5	0 119		0 1844		64 5	10	132					
Surr	p-Terphenyl-d14	0 129		0 1844		70 1	30 6	131					

Sample ID	**08040412-021AMSD**	SampType	**MSD**			Units	**mg/Kg-dry**	Prep Date	**4/10/2008**		RunNo	**106668**	
Client ID	**B817 (26-27 ft)MSD**	Batch ID	**43988**				**SW3550B**	Analysis Date	**4/11/2008**		SeqNo	**1907521**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Acenaphthene		0 124	0 004	0 1850	0	67 1	36	135	0 1247	0 417	49 7		
Acenaphthylene		0 143	0 004	0 1850	0	77 2	17 2	167	0 1410	1 29	33 3		
Anthracene		0 126	0 004	0 1850	0	67 9	39 3	124	0 1210	3 82	51 1		
Benzo(a)anthracene		0 123	0 004	0 1850	0	66 3	10	183	0 1229	0 186	40 6		
Benzo(a)pyrene		0 130	0 004	0 1850	0	70 4	10	204	0 1245	4 55	56 4		
Benzo(b)fluoranthene		0 135	0 004	0 1850	0	72 8	10 6	178	0 1273	5 70	49 7		
Benzo(g,h,i)perylene		0 136	0 004	0 1850	0	73 6	10	168	0 1308	3 94	36 5		

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S_SIMS

Sample ID **08040412-021AMSD**	SampType **MSD**			Units **mg/Kg-dry**		Prep Date **4/10/2008**		RunNo **106668**		
Client ID **B817 (26-27 ft)MSD**	Batch ID **43988**			**SW3550B**		Analysis Date **4/11/2008**		SeqNo **1907521**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0 136	0 004	0 1850	0	73 6	27 6	181	0 1336	1 91	42 6	
Chrysene	0 137	0 004	0 1850	0	74 3	10	176	0 1376	0 158	45 1	
Dibenzo(a,h)anthracene	0 133	0 004	0 1850	0	71 7	12 2	156	0 1250	5 93	39 9	
Fluoranthene	0 126	0 004	0 1850	0	68 1	10	227	0 1166	7 80	66 2	
Fluorene	0 128	0 004	0 1850	0	69 0	35 2	148	0 1194	6 68	65 6	
Indeno(1,2,3-cd)pyrene	0 132	0 004	0 1850	0	71 2	10	164	0 1256	4 77	36 5	
Naphthalene	0 125	0 004	0 1850	0 02097	56 1	14 7	128	0 1237	0 858	39 6	
Phenanthrene	0 132	0 004	0 1850	0 008358	67 0	32 8	143	0 1289	2 53	35 4	
Pyrene	0 127	0 004	0 1850	0	68 4	10	180	0 1268	0 258	60 1	
Surr 2-Fluorobiphenyl	0 119		0 1850		64 3	10	131		0	40	
Surr Nitrobenzene-d5	0 109		0 1850		58 7	10	132		0	40	
Surr p-Terphenyl-d14	0 129		0 1850		69 5	30 6	131		0	40	

Sample ID **08040412-001AMS**	SampType **MS**			Units **mg/Kg-dry**		Prep Date **4/10/2008**		RunNo **106666**		
Client ID **B834 (1.0-2.0 ft)MS**	Batch ID **43982**			**SW3550B**		Analysis Date **4/11/2008**		SeqNo **1907648**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 128	0 020	0 1974	0 004957	62 4	36	135				
Acenaphthylene	0 207	0 020	0 1974	0 004091	102 9	17 2	167				
Anthracene	0 153	0 020	0 1974	0 006924	73 8	39 3	124				
Benzo(a)anthracene	0 278	0 020	0 1974	0 01688	132 6	10	183				
Benzo(a)pyrene	0 355	0 020	0 1974	0 01180	173 7	10	204				
Benzo(b)fluoranthene	0 450	0 020	0 1974	0 01696	219 7	10 6	178				S
Benzo(g,h,i)perylene	0 318	0 020	0 1974	0 007160	157 6	10	168				
Benzo(k)fluoranthene	0 251	0 020	0 1974	0 004760	124 5	27 6	181				
Chrysene	0 330	0 020	0 1974	0 02010	157 1	10	176				
Dibenzo(a,h)anthracene	0 170	0 020	0 1974	0	85 9	12 2	156				
Fluoranthene	0 364	0 020	0 1974	0 03049	169 2	10	227				
Fluorene	0 134	0 020	0 1974	0 003895	66 1	35 2	148				
Indeno(1,2,3-cd)pyrene	0 286	0 020	0 1974	0 006019	141 7	10	164				
Naphthalene	0 129	0 020	0 1974	0 007868	61 5	14 7	128				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412 Report Date: *16-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: **SV_8270S_S_SIMS**

Sample ID	08040412-001AMS	SampType	MS	Units	mg/Kg-dry	Prep Date	4/10/2008	RunNo	106666
Client ID	B834 (1.0-2 0 ft)MS	Batch ID	43982		SW3550B	Analysis Date	4/11/2008	SeqNo	1907648

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	0 222	0 020	0 1974	0 09025	66 6	32 8	143				
Pyrene	0 388	0 020	0 1974	0 03525	178 6	10	180				
Surr 2-Fluorobiphenyl	0 118		0 1974		59 9	10	131				
Surr Nitrobenzene-d5	0 114		0 1974		57 9	10	132				
Surr p-Terphenyl-d14	0 142		0 1974		71 9	30 6	131				

Sample ID	08040412-001AMSD	SampType	MSD	Units	mg/Kg-dry	Prep Date	4/10/2008	RunNo	106666
Client ID	B834 (1.0-2.0 ft)MSD	Batch ID	43982		SW3550B	Analysis Date	4/11/2008	SeqNo	1907649

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 144	0 021	0 2016	0 004957	68 8	36	135	0 1280	11 5	49 7	
Acenaphthylene	0 277	0 021	0 2016	0 004091	135 4	17 2	167	0 2072	28 9	33 3	
Anthracene	0.187	0 021	0 2016	0 006924	89 5	39 3	124	0 1526	20 4	51 1	
Benzo(a)anthracene	0 390	0 021	0 2016	0 01688	185 2	10	183	0 2785	33 4	40 6	S
Benzo(a)pyrene	0 553	0 021	0 2016	0 01180	268 6	10	204	0 3545	43 8	56 4	S
Benzo(b)fluoranthene	0 726	0 021	0 2016	0 01696	351 9	10 6	178	0 4504	46 9	49 7	S
Benzo(g,h,i)perylene	0 453	0 021	0 2016	0 007160	221 0	10	168	0 3183	34 9	36 5	S
Benzo(k)fluoranthene	0 358	0 021	0 2016	0 004760	175 2	27 6	181	0 2505	35 3	42 6	
Chrysene	0 488	0 021	0 2016	0 02010	231 8	10	176	0 3301	38 5	45 1	S
Dibenzo(a,h)anthracene	0 214	0 021	0 2016	0	106 1	12 2	156	0 1696	23 1	39 9	
Fluoranthene	0 495	0 021	0 2016	0 03049	230 3	10	227	0 3644	30 4	66 2	S
Fluorene	0 150	0 021	0 2016	0 003895	72 3	35 2	148	0 1343	10 8	65 6	
Indeno(1,2,3-cd)pyrene	0 417	0 021	0 2016	0 006019	204 0	10	164	0 2856	37 5	36 5	SR
Naphthalene	0 151	0 021	0 2016	0 007868	70 7	14 7	128	0 1292	15 2	39 6	
Phenanthrene	0 315	0 021	0 2016	0 09025	111 5	32 8	143	0 2218	34 8	35 4	
Pyrene	0 516	0 021	0 2016	0 03525	238 5	10	180	0 3878	28 4	60 1	S
Surr 2-Fluorobiphenyl	0 129		0 2016		63 9	10	131		0	40	
Surr Nitrobenzene-d5	0 117		0 2016		57 9	10	132		0	40	
Surr p-Terphenyl-d14	0 139		0 2016		68 9	30 6	131		0	40	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412 **Report Date:** *16-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_OA2_S

Sample ID	MB-43996	SampType	MBLK			Units	mg/Kg	Prep Date	4/11/2008	RunNo	106708	
Client ID	ZZZZZZ	Batch ID	43996				SW3550B	Analysis Date	4/11/2008	SeqNo	1906416	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		ND	5 00									
Kerosene		ND	5 00									
Mineral Spirits		ND	5 00									
Motor Oil		ND	5 00									
Surr n-Tetracontane		0 50		0 6700		74 6	59 5	122				

Sample ID	LCS-43996	SampType	LCS			Units	mg/Kg	Prep Date	4/11/2008	RunNo	106708	
Client ID	ZZZZZZ	Batch ID	43996				SW3550B	Analysis Date	4/11/2008	SeqNo	1906417	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		13 7	5 00	16 70	0	82 2	45 8	131				
Surr n-Tetracontane		0 54		0 6700		81 0	58	130				

Sample ID	08040412-003AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	4/11/2008	RunNo	106708	
Client ID	B834 (11.5-12.5 ft)M	Batch ID	43996				SW3550B	Analysis Date	4/11/2008	SeqNo	1906421	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		1550	62 7	20 95	387 4	5529	20 3	167				S#
Surr n-Tetracontane		3 29		0 8406		391 1	53 9	153				S

Sample ID	08040412-003AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date	4/11/2008	RunNo	106708	
Client ID	B834 (11.5-12.5 ft)M	Batch ID	43996				SW3550B	Analysis Date	4/11/2008	SeqNo	1906422	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		249	62 8	20 97	387 4	-661 6	20 3	167	1546	145	34	SR#
Surr n-Tetracontane		1 05		0 8411		124 3	53 9	153		0	0	

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412 **Report Date:** *16-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID **LCS-G080411-1**	SampType **LCS**			Units **µg/Kg**		Prep Date **4/11/2008**		RunNo **106731**		
Client ID **ZZZZZZ**	Batch ID **44041**			**SW5035**		Analysis Date **4/11/2008**		SeqNo **1907571**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	45 5	2 0	50 00	0	90 9	69 1	121				
Benzene	48 8	1 0	50 00	0	97 7	75	123				
Toluene	48 2	5 0	50 00	0	96 5	77 3	117				
Ethylbenzene	50 0	5 0	50 00	0	99 9	80 8	118				
Xylenes, Total	99 8	5 0	100 0	0	99 8	78 5	121				
Surr 1,2-Dichloroethane-d4	46 8		50 00		93 6	61	128				
Surr 4-Bromofluorobenzene	49 3		50 00		98 7	78 2	117				
Surr Dibromofluoromethane	48 9		50 00		97 8	66 6	130				
Surr Toluene-d8	49 1		50 00		98 1	80 1	122				

Sample ID **LCSD-G080411-1**	SampType **LCSD**			Units **µg/Kg**		Prep Date **4/11/2008**		RunNo **106731**		
Client ID **ZZZZZZ**	Batch ID **44041**			**SW5035**		Analysis Date **4/11/2008**		SeqNo **1907572**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	45 9	2 0	50 00	0	91 9	69 1	121	45 46	1 05	20	
Benzene	47 4	1 0	50 00	0	94 7	75	123	48 83	3 08	20	
Toluene	47 5	5 0	50 00	0	94 9	77 3	117	48 23	1 61	20	
Ethylbenzene	48 8	5 0	50 00	0	97 6	80 8	118	49 96	2 33	20	
Xylenes, Total	97 1	5 0	100 0	0	97 1	78 5	121	99 80	2 76	20	
Surr 1,2-Dichloroethane-d4	46 4		50 00		92 7	61	128		0	0	
Surr 4-Bromofluorobenzene	49 8		50 00		99 6	78 2	117		0	0	
Surr Dibromofluoromethane	48 0		50 00		96 1	66 6	130		0	0	
Surr Toluene-d8	48 3		50 00		96 7	80 1	122		0	0	

Sample ID **MBLK-G080411-1**	SampType **MBLK**			Units **µg/Kg**		Prep Date **4/11/2008**		RunNo **106731**		
Client ID **ZZZZZZ**	Batch ID **44041**			**SW5035**		Analysis Date **4/11/2008**		SeqNo **1907573**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	ND	2 0									
Benzene	ND	1 0									

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412 **Report Date:** *16-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID	MBLK-G080411-1	SampType	MBLK	Units	µg/Kg	Prep Date	4/11/2008	RunNo	106731
Client ID	ZZZZZZ	Batch ID	44041		SW5035	Analysis Date	4/11/2008	SeqNo	1907573

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	5 0									
Ethylbenzene	ND	5 0									
Xylenes, Total	ND	5 0									
Surr 1,2-Dichloroethane-d4	44 8		50 00		89 6	61	128				
Surr 4-Bromofluorobenzene	48 8		50 00		97 6	78 2	117				
Surr Dibromofluoromethane	47 6		50 00		95 1	66 6	130				
Surr Toluene-d8	49 0		50 00		97 9	80 1	122				

Sample ID	LCS-G080411-2	SampType	LCS	Units	µg/Kg	Prep Date	4/11/2008	RunNo	106733
Client ID	ZZZZZZ	Batch ID	44043		SW5035	Analysis Date	4/12/2008	SeqNo	1907602

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	45 2	2 0	50 00	0	90 4	69 1	121				
Benzene	48 2	1 0	50 00	0	96 3	75	123				
Toluene	46 7	5 0	50 00	0	93 4	77 3	117				
Ethylbenzene	47 3	5 0	50 00	0	94 6	80 8	118				
Xylenes, Total	92 5	5 0	100 0	0	92 5	78 5	121				
Surr 1,2-Dichloroethane-d4	47 2		50 00		94 4	61	128				
Surr 4-Bromofluorobenzene	49 1		50 00		98 2	78 2	117				
Surr Dibromofluoromethane	50 4		50 00		100 8	66 6	130				
Surr Toluene-d8	48 8		50 00		97 7	80 1	122				

Sample ID	LCSD-G080411-2	SampType	LCSD	Units	µg/Kg	Prep Date	4/11/2008	RunNo	106733
Client ID	ZZZZZZ	Batch ID	44043		SW5035	Analysis Date	4/12/2008	SeqNo	1907603

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	46 3	2 0	50 00	0	92 7	69 1	121	45 19	2 49	20	
Benzene	47 8	1 0	50 00	0	95 6	75	123	48 16	0 771	20	
Toluene	45 9	5 0	50 00	0	91 8	77 3	117	46 68	1 64	20	
Ethylbenzene	46 0	5 0	50 00	0	92 0	80 8	118	47 28	2 70	20	

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID	LCSD-G080411-2	SampType	LCSD	Units	µg/Kg	Prep Date	4/11/2008	RunNo	106733
Client ID	ZZZZZZ	Batch ID	44043		SW5035	Analysis Date	4/12/2008	SeqNo	1907603

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	91 6	5 0	100 0	0	91 6	78 5	121	92 48	0 912	20	
Surr 1,2-Dichloroethane-d4	47 1		50 00		94 2	61	128		0	0	
Surr 4-Bromofluorobenzene	49 3		50 00		98 6	78 2	117		0	0	
Surr Dibromofluoromethane	50 5		50 00		101 1	66 6	130		0	0	
Surr Toluene-d8	48 4		50 00		96 8	80 1	122		0	0	

Sample ID	MBLK-G080411-2	SampType	MBLK	Units	µg/Kg	Prep Date	4/11/2008	RunNo	106733
Client ID	ZZZZZZ	Batch ID	44043		SW5035	Analysis Date	4/12/2008	SeqNo	1907604

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	ND	2 0									
Benzene	ND	1 0									
Toluene	ND	5 0									
Ethylbenzene	ND	5 0									
Xylenes, Total	ND	5 0									
Surr 1,2-Dichloroethane-d4	46 5		50 00		93 0	61	128				
Surr 4-Bromofluorobenzene	48 2		50 00		96 3	78 2	117				
Surr Dibromofluoromethane	49 2		50 00		98 4	66 6	130				
Surr Toluene-d8	49 0		50 00		98 0	80 1	122				

Sample ID	LCS-G080414-1	SampType	LCS	Units	µg/Kg	Prep Date	4/14/2008	RunNo	106752
Client ID	ZZZZZZ	Batch ID	44057		SW5035	Analysis Date	4/14/2008	SeqNo	1908288

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	42 8	2 0	50 00	0	85 5	69 1	121				
Benzene	48 0	1 0	50 00	0	95 9	75	123				
Toluene	48 2	5 0	50 00	0	96 4	77 3	117				
Ethylbenzene	48 8	5 0	50 00	0	97 5	80 8	118				
Xylenes, Total	98 5	5 0	100 0	0	98 5	78 5	121				
Surr 1,2-Dichloroethane-d4	45 1		50 00		90 2	61	128				

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID	LCS-G080414-1	SampType	LCS			Units	µg/Kg	Prep Date	4/14/2008	RunNo	106752	
Client ID	ZZZZZZ	Batch ID	44057				SW5035	Analysis Date	4/14/2008	SeqNo	1908288	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr 4-Bromofluorobenzene		48 6		50 00		97 1	78 2	117				
Surr Dibromofluoromethane		49 4		50 00		98 8	66 6	130				
Surr Toluene-d8		49 4		50 00		98 7	80 1	122				

Sample ID	LCSD-G080414-1	SampType	LCSD			Units	µg/Kg	Prep Date	4/14/2008	RunNo	106752	
Client ID	ZZZZZZ	Batch ID	44057				SW5035	Analysis Date	4/14/2008	SeqNo	1908289	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether		45 9	2 0	50 00	0	91 8	69 1	121	42 75	7 08	20	
Benzene		49 2	1 0	50 00	0	98 4	75	123	47 95	2 57	20	
Toluene		49 5	5 0	50 00	0	99 1	77 3	117	48 22	2 68	20	
Ethylbenzene		50 4	5 0	50 00	0	100 8	80 8	118	48 77	3 31	20	
Xylenes, Total		101	5 0	100 0	0	101 4	78 5	121	98 49	2 91	20	
Surr 1,2-Dichloroethane-d4		45 8		50 00		91 7	61	128		0	0	
Surr 4-Bromofluorobenzene		49 3		50 00		98 6	78 2	117		0	0	
Surr Dibromofluoromethane		48 5		50 00		96 9	66 6	130		0	0	
Surr Toluene-d8		48 6		50 00		97 3	80 1	122		0	0	

Sample ID	MBLK-G080414-1	SampType	MBLK			Units	µg/Kg	Prep Date	4/14/2008	RunNo	106752	
Client ID	ZZZZZZ	Batch ID	44057				SW5035	Analysis Date	4/14/2008	SeqNo	1908290	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether		ND	2 0									
Benzene		ND	1 0									
Toluene		ND	5 0									
Ethylbenzene		ND	5 0									
Xylenes, Total		ND	5 0									
Surr 1,2-Dichloroethane-d4		45 4		50 00		90 7	61	128				
Surr 4-Bromofluorobenzene		49 3		50 00		98 6	78 2	117				
Surr Dibromofluoromethane		48 2		50 00		96 4	66 6	130				

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_S

Sample ID	**MBLK-G080414-1**	SampType	**MBLK**		Units	**µg/Kg**	Prep Date	**4/14/2008**	RunNo	**106752**	
Client ID	**ZZZZZZ**	Batch ID	**44057**			**SW5035**	Analysis Date	**4/14/2008**	SeqNo	**1908290**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr Toluene-d8	48 3		50 00		96 7	80 1	122				

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412 Report Date: *16-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: **V_BTEXOA1_S**

Sample ID	LCS-G080410-2	SampType	LCS	Units	µg/Kg	Prep Date	4/10/2008	RunNo	106672
Client ID	ZZZZZZ	Batch ID	44002		SW5035	Analysis Date	4/11/2008	SeqNo	1905647

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	44 7	2 0	50 00	0	89 4	69 1	121				
Benzene	47 8	1 0	50 00	0	95 7	75	123				
Toluene	46 7	5 0	50 00	0	93 4	77 3	117				
Ethylbenzene	47 6	5 0	50 00	0	95 2	80 3	118				
Xylenes, Total	95 6	5 0	100 0	0	95 6	78 5	121				
Surr 1,2-Dichloroethane-d4	47 3		50 00		94 7	61	128				
Surr 4-Bromofluorobenzene	49 7		50 00		99 4	78 2	117				
Surr Dibromofluoromethane	50 4		50 00		100 8	66 6	130				
Surr Toluene-d8	48 7		50 00		97 4	80 1	122				

Sample ID	LCSD-G080410-2	SampType	LCSD	Units	µg/Kg	Prep Date	4/10/2008	RunNo	106672
Client ID	ZZZZZZ	Batch ID	44002		SW5035	Analysis Date	4/11/2008	SeqNo	1905648

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	44 0	2 0	50 00	0	88 0	69 1	121	44 68	1 51	20	
Benzene	48 5	1 0	50 00	0	96 9	75	123	47 83	1 31	20	
Toluene	46 5	5 0	50 00	0	92 9	77 3	117	46 68	0 451	20	
Ethylbenzene	46 3	5 0	50 00	0	92 6	80 3	118	47 58	2 68	20	
Xylenes, Total	91 9	5 0	100 0	0	91 9	78 5	121	95 58	3 95	0	
Surr 1,2-Dichloroethane-d4	48 3		50 00		96 6	61	128		0	0	
Surr 4-Bromofluorobenzene	48 7		50 00		97 4	78 2	117		0	0	
Surr Dibromofluoromethane	51 2		50 00		102 4	66 6	130		0	0	
Surr Toluene-d8	49 0		50 00		98 0	80 1	122		0	0	

Sample ID	LCS1-G080410-2	SampType	LCS1	Units	µg/Kg	Prep Date	4/10/2008	RunNo	106672
Client ID	ZZZZZZ	Batch ID	44002		SW5035	Analysis Date	4/11/2008	SeqNo	1905649

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	37 5	2 0	31 20	0	120 2	70	130				
Benzene	24 1	1 0	21 20	0	113 8	70	130				

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEXOA1_S

Sample ID	LCS1-G080410-2	SampType	LCS1			Units	µg/Kg	Prep Date	4/10/2008	RunNo	106672	
Client ID	ZZZZZZ	Batch ID	44002				SW5035	Analysis Date	4/11/2008	SeqNo	1905649	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene		168	5 0	183 6	0	91 7	70	130				
Ethylbenzene		30 7	5 0	36 80	0	83 5	70	130				
Xylenes, Total		175	5 0	211 6	0	82 8	70	130				
Gasoline Range Organics		2010	1000	2200	0	91 3	70	130				
Surr 1,2-Dichloroethane-d4		51 0		50 00		102 0	61	128				
Surr 4-Bromofluorobenzene		50 1		50 00		100 2	78 2	117				
Surr Dibromofluoromethane		50 4		50 00		100 9	66 6	130				
Surr Toluene-d8		50 0		50 00		100 1	80 1	122				

Sample ID	LCS1D-G080410-2	SampType	LCS1D			Units	µg/Kg	Prep Date	4/10/2008	RunNo	106672	
Client ID	ZZZZZZ	Batch ID	44002				SW5035	Analysis Date	4/11/2008	SeqNo	1905650	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether		37 2	2 0	31 20	0	119 1	70	130	37 51	0 937	20	
Benzene		23 6	1 0	21 20	0	111 5	70	130	24 13	2 05	20	
Toluene		166	5 0	183 6	0	90 3	70	130	168 3	1 54	20	
Ethylbenzene		30 0	5 0	36 80	0	81 4	70	130	30 71	2 51	20	
Xylenes, Total		171	5 0	211 6	0	81 0	70	130	175 3	2 24	20	
Gasoline Range Organics		2030	1000	2200	0	92 3	70	130	2008	1 09	20	
Surr 1,2-Dichloroethane-d4		51 4		50 00		102 9	61	128		0	0	
Surr 4-Bromofluorobenzene		50 5		50 00		101 0	78 2	117		0	0	
Surr Dibromofluoromethane		50 7		50 00		101 5	66 6	130		0	0	
Surr Toluene-d8		49 1		50 00		98 2	80 1	122		0	0	

Sample ID	MBLK-G080410-2	SampType	MBLK			Units	µg/Kg	Prep Date	4/10/2008	RunNo	106672	
Client ID	ZZZZZZ	Batch ID	44002				SW5035	Analysis Date	4/11/2008	SeqNo	1905651	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether		ND	2 0									
Benzene		ND	1 0									

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412 **Report Date:** *16-Apr-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEXOA1_S

Sample ID	**MBLK-G080410-2**	SampType	**MBLK**			Units	**µg/Kg**	Prep Date	**4/10/2008**		RunNo	**106672**	
Client ID	**ZZZZZZ**	Batch ID	**44002**				**SW5035**	Analysis Date	**4/11/2008**		SeqNo	**1905651**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Toluene		ND	5 0										
Ethylbenzene		ND	5 0										
Xylenes, Total		ND	5 0										
Gasoline Range Organics		ND	1000										
Surr	1,2-Dichloroethane-d4	46 5		50 00		93 0	61	128					
Surr	4-Bromofluorobenzene	49 4		50 00		98 8	78 2	117					
Surr	Dibromofluoromethane	48 7		50 00		97 4	66 6	130					
Surr	Toluene-d8	49 3		50 00		98 6	80 1	122					

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

RECEIVING CHECK LIST

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08040412
Report Date: 16-Apr-08

Carrier: Leslie Hoosier

Received By: AMH

Completed by: Marvin L. Darling II
On: 10-Apr-08
Marvin L. Darling

Reviewed by: Elizabeth A. Hurley
On: 10-Apr-08
Elizabeth A Hurley

Pages to follow | Chain of custody: 5 | Extra pages included: 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	5	8
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑			
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑			
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐		
Chain of custody present?	Yes ☑	No ☐				
Chain of custody signed when relinquished and received?	Yes ☑	No ☐				
Chain of custody agrees with sample labels?	Yes ☑	No ☐				
Samples in proper container/bottle?	Yes ☑	No ☐				
Sample containers intact?	Yes ☑	No ☐				
Sufficient sample volume for indicated test?	Yes ☑	No ☐				
All samples received within holding time?	Yes ☑	No ☐				
Reported field parameters measured	Field ☐	Lab ☐	NA ☑			
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐				

When thermal preservation is required, samples are compliant with a temperature between 0 1°C - 6.0°C, or when samples are received on ice the same day as collected

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Any No responses must be detailed below or on the COC

Chain of Custody Rec d

08040.

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230
(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 08873

Project Name: Ameren IP Champaign Project Mgr.: Derek Ingram
Project Number: 02403053 Cost Code: 024501
Sampler(s): L. Hoosier / R. Huson
Laboratory Name: Teklab
Location: Collinsville IL

Laboratory Temperature upon Receipt: 5.8

Analyses by Method Name and Number

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX 5035 8260B	PAH 8270 SIM	Metals *	Cyanide	Foc D2974-87	pH 9045C	DRO/GRO	GRO			Comments (Field PID)	Lab ID #'s
~~B-820 (8.5'-9.5')~~	~~4-4~~	~~1341~~	X						X	X									*Metals-arsenic,	08040412 ~~-001~~
B 834 (1.0'-2.0')	4/4	1417	X					5	X	X									chromium, lead	-001
B 834 (6.0-7.0')	4/4	1521	X					5	X	X										-002
B 834 (11.5-12.5')	4/4	1535	X					6	X	X					X	X			Cyanide - total	-003
B834 (15.0-16.0')	4/4	1600	X					5	X	X									and amenable	-004
B834 (21.0-22.0')	4/4	1621	X					5	X	X										-005
																			per Derek Ingram, DRO/GRO	
																			should be OA1/OA2, MLDII 4/10/08	

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT: ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: Derek Ingram
Send Invoice to:
QC Deliverable Requested. ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Leslie Hoosier	4-10	1135

Received by:

Signature	Date	Time
R. Huson	4/10/08	11:35

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

Chain of Custody Rec d

08040

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 08879

Project Name: Ameren IP Champaign Project Mgr.: Derek Ingram
Project Number: 62403053 Cost Code: 024501
Sampler(s): L. Hoosier
Laboratory Name: Teklab
Laboratory Location: Collinsville IL

Laboratory Temperature upon Receipt: 5.8

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	Analyses by Method Name and Number: BTEX	PAH	Metals	Cyanide	TOC	pH	Comments (Field PID)	Lab ID #'s
B-805 (1'-2')	4-8	1118	X					6	X	X	X	X				08040412-006
B-805 (7'-8')	4-9	1145	X					6	X	X	X	X			*	-007
B-805 (13.0'-14.0')	4-9	1210	X					6	X	X	X	X				-008

(was bagged w/ samples w/ correct label)
* VOA vial (SB) was labeled B-805 (1-2) - lab labeled it 08040412-007 E 2of2. EKS 4/10/08

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

☐	Volatile Organics	Hydrochloric acid	(HCl)
☐	VOC Soil (5035)	Sodium Bisulfate/Methanol	
☐	TPH	Hydrochloric acid and/or Sulfuric acid	
☐	Metals	Nitric acid	(HNO_3)
☐	Cyanide	Sodium hydroxide	(NaOH)
☐	Other (Specify)		

Lab Directives:

Requested TAT: ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: Derek Ingram
Send Invoice to:
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special:

Shipping:

Carrier / Airbill No

Relinquished by:

Signature	Date	Time
Leslie Hoosier	4-10	1135

Received by:

Signature	Date	Time
Q. Hollo	4/10/08	11:35

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

Chain of Custody Record

080404

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 08878

Project Name: Ameren IP Champaign **Project Mgr.:** Derek Ingram
Project Number: 02403053 **Cost Code:** 024501
Sampler(s): R. Husar / L. Hoosier
Laboratory Name: TestAmb
Location: Collinsville, IL

Laboratory Temperature upon Receipt: 5.8

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX 8260B	PAH 8270SIM	Metals *	Cyanide	SOC D3974-87	PH 9045C	GRO	DRO			Comments (Field PID)	Lab ID #'s
B807 (2.0'-3.0')	4/8	1405	X					5	X	X										08040412-009
B807 (2.0'-3.0') Dup	4/8	1405	X					5	X	X										-010
B807 (8.5-9.5)	4/8	1430	X					6	X	X	X	X								-011
B807 (13-14)	4/8	1505	X					6	X	X	X	X		X						-012
B804 (1.5-2.5)	4/8	1534	X					6	X	X	X	X								-013
B804 (8.5'-9.5')	4/8	1547	X					6	X	X	X	X								-014
B804 (15'-16')	4/8	1607	X					5	X	X										-015

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to Derek Ingram
Send Invoice to.
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Leslie Hoosier	4-10	1135

Received by:

Signature	Date	Time
R Husar	4/10/08	11:35

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

Chain of Custody Rec d

0804041

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 08876

Project Name: AmerenIP Champaign Project Mgr.: Derek Ingram
Project Number: 62403053 Cost Code: 02450 1
Sampler(s): R. Hasan
Laboratory Name: Texlab
Laboratory Location: Collinsville, IL

Laboratory Temperature upon Receipt: 5.8

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX 5035 8260B	PAH 8270SIMS	Metals #	Cyanide	foc D2974-87	pH 9045C	Comments (Field PID)	Lab ID #'s
B-819 (2'-3')	4-7	1302	X					6	X	X	X	X			Metals -	0804041 2-016
B-819 (8.5'-9.5')	4-7	1330	X					6	X	X	X	X			arsenic, chromium,	-017
B-819 (28'-29')	4-7	1415	X					6	X	X	X	X			lead	-018
B-817 (2'-3')	4-7	1445	X					6	X	X	X	X	X	X		-019
B-817 (8.0'-9.0')	4-7	1500	X					6	X	X	X	X	X	X	Cyanide - total	-020
B-817 (26'-27')	4-7	1605	X					6	X	X	X	X		X	+ amenable	-021
B-815 (2'-3')	4-7	1635	X					6	X	X	X	X				-022
B-815 (7'-8')	4-7	1650	X					6	X	X	X	X				-023
B-815 (25'-26')	4-7	1720	X					6	X	X	X	X				-024
B-813 (2.0-3.0')	4-7	1741	X					5	X	X						-025
B-813 (6'-7')	4-7	1757	X					5	X	X						-026
B-813 (11-12')	4-7	1810	X					5	X	X						-027

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT. ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: Derek Ingram
Send Invoice to:
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits.
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Leslie Hoosier	4-10	1135

Received by:

Signature	Date	Time
R. Wells	4/10/08	11:35

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

Chain of Custody Rec[illegible]d

080404

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230
(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 08877

Project Name: Ameren P Champaign Project Mgr.: Derek Ingram
Project Number: 62403053 Cost Code: 024501
Sampler(s): L. Hoosier / R. Huson
Laboratory Name: Teklab
Location: Collinsville IL

Laboratory Temperature upon Receipt: 5.8

Analyses by Method Name and Number

See Comments	Sample Number and (depth)	Date	Time	Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX 5035 8260B	PAH 8270SIMS	Metals *	Cyanide	Foc D2974-87	pH 9041SC	GRO	DRO			Comments (Field PID)	Lab ID #'s
*	B-836 (1.5-2.5)	4-8	0905	X					5	X	X									Metals- arsenic,	08040462-028
*	B-836 (9'-10')	4-8	0930	X					6	X	X					X	X			chromium, lead	-029
*	B-836 (25'-26')	4-8	1021	X					5	X	X										-030
	B-801 (2.0'-3.0')	4-8	1042	X					5	X	X				X					Cyanide - total	-031
	B-801 (9.0'-10.0')	4-8	1057	X					5	X	X				X					and amenable	-032
	B-801 (25.0-26.0)	4-8	1130	X					5	X	X				X						-033
	B-806 (2'-3')	4-8	1200	X					5	X	X									* HOLD *	-034
	B-806 (8.5'-9.5')	4-8	1215	X					5	X	X			X						All B-836 samples	-035
	B-806 (11'-12')	4-8	1230	X					5	X	X	X	X	X							-036

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT: ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: Derek Ingram
Send Invoice to:
QC Deliverable Requested ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Leslie Hoosier	4-10	1135

Received by:

Signature	Date	Time
A. Harris	4/10/08	11:35

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX 618-344-1005

May 16, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH

NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign 62403053 **WorkOrder:** 08050440

Dear Derek Ingram:

TEKLAB, INC received 1 sample on 4/16/2008 10:00:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

SAMPLE SUMMARY

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050440
Report Date: 16-May-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08050440-001	B800 (2-3 ft)	1	4/14/2008 12 15 00 PM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

Client: Philip Environmental

CASE NARRATIVE

Project: A831-735002-012901-225/IP Champaign 62403053

LabOrder: 08050440

Report Date: 16-May-08

Cooler Receipt Temp: °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Additional analysis requested to WO #08040620. Analysis requested outside of holding time for total cyanide and amenable cyanide.

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	# - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050440
Lab ID: 08050440-001
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B800 (2-3 ft)
Collection Date: 4/14/2008 12:15.00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**6.22**	mg/Kg-dry	1	5/14/2008 5 17 14 PM	LAL
Chromium	NELAP	1 00		**16 5**	mg/Kg-dry	1	5/14/2008 5 17 14 PM	LAL
Lead	NELAP	4 00		**74.4**	mg/Kg-dry	1	5/15/2008 2 49 37 PM	CRK
SW-846 9010B, 9014								
Cyanide	NELAP	0 61	JH	**0 39**	mg/Kg-dry	1	5/14/2008	AET
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 61	H	**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

DATES REPORT

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050440
Report Date: 16-May-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050440-001A	B800 (2-3 ft)	4/14/2008	Solid	SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/13/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/15/2008	5/15/2008
				SW-846 9010B, 9014	5/12/2008	5/14/2008
				SW-846 9014A	5/13/2008	5/14/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV *Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration*

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TCN_S_MT

Sample ID	MB-R108067	SampType	MBLK			Units	mg/Kg	Prep Date	5/12/2008	RunNo	108067		
Client ID	ZZZZZZ	Batch ID	44826			SW9010		Analysis Date	5/13/2008	SeqNo	1945262		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		< 0 01	0 01										

Sample ID	LCS-R108067	SampType	LCS			Units	mg/Kg	Prep Date	5/12/2008	RunNo	108067		
Client ID	ZZZZZZ	Batch ID	44826			SW9010		Analysis Date	5/13/2008	SeqNo	1945263		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		0 19	0 01	0 2000	0	94 1	85	115					

Sample ID	LCSD-R108067	SampType	LCSD			Units	mg/Kg	Prep Date	5/12/2008	RunNo	108067		
Client ID	ZZZZZZ	Batch ID	44826			SW9010		Analysis Date	5/13/2008	SeqNo	1945264		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		0 20	0 01	0 2000	0	99 7	85	115	0 1881	5 84	15		

ANALYTICAL QC SUMMARY REPORT

TestCode: M_SOLIDS_ICP

Sample ID	MB-44806	SampType	MBLK	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108079
Client ID	ZZZZZZ	Batch ID	44806		SOP 3032	Analysis Date	5/13/2008	SeqNo	1945559

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 2 50	2 50	2 500	0	0	-100	100				
Lead	< 4 00	4 00	4 000	0	0	-100	100				

Sample ID	LCS-44806	SampType	LCS	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108079
Client ID	ZZZZZZ	Batch ID	44806		SOP 3032	Analysis Date	5/13/2008	SeqNo	1945560

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	192	2 50	200 0	0	96 2	85	115				
Lead	49 7	4 00	50 00	0	99 4	85	115				

Sample ID	MB-44806	SampType	MBLK	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108118
Client ID	ZZZZZZ	Batch ID	44806		SOP 3032	Analysis Date	5/14/2008	SeqNo	1947235

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0 64	1 00	1 000	0	64 0	-100	100				J

Sample ID	LCS-44806	SampType	LCS	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108118
Client ID	ZZZZZZ	Batch ID	44806		SOP 3032	Analysis Date	5/14/2008	SeqNo	1947236

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	19 7	1 00	20 00	0	98 6	85	115				

Sample ID	08050440-001AMS	SampType	MS	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108118
Client ID	B800 (2-3 ft)MS	Batch ID	44806		SOP 3032	Analysis Date	5/14/2008	SeqNo	1947253

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	187	2 50	200 0	6 220	90 3	75	125				
Chromium	34 8	1 00	20 00	16 49	91 5	75	125				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050440 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_SOLIDS_ICP

Sample ID	08050440-001AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108118	
Client ID	B800 (2-3 ft)MSD	Batch ID	44806				SOP 3032	Analysis Date	5/14/2008		SeqNo	1947254	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		195	2 50	200 0	6 220	94 5	75	125	186 8	4 45	20		
Chromium		37 1	1 00	20 00	16 49	103 1	75	125	34 79	6 45	20		

Sample ID	MB-44863	SampType	MBLK			Units	mg/Kg-dry	Prep Date	5/15/2008		RunNo	108133	
Client ID	ZZZZZZ	Batch ID	44863				SOP 3032	Analysis Date	5/15/2008		SeqNo	1948451	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium		< 1 00	1 00	1 000	0	0	-100	100					
Lead		< 4 00	4 00	4 000	0	0	-100	100					

Sample ID	LCS-44863	SampType	LCS			Units	mg/Kg-dry	Prep Date	5/15/2008		RunNo	108133	
Client ID	ZZZZZZ	Batch ID	44863				SOP 3032	Analysis Date	5/15/2008		SeqNo	1948452	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium		19 1	1 00	20 00	0	95 6	85	115					
Lead		46 2	4 00	50 00	0	92 4	85	115					

Sample ID	08050440-001AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	5/15/2008		RunNo	108133	
Client ID	B800 (2-3 ft)MS	Batch ID	44863				SOP 3032	Analysis Date	5/15/2008		SeqNo	1948614	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead		130	4 00	50 00	74 40	111 4	75	125					

Sample ID	08050440-001AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date	5/15/2008		RunNo	108133	
Client ID	B800 (2-3 ft)MSD	Batch ID	44863				SOP 3032	Analysis Date	5/15/2008		SeqNo	1948615	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead		115	4 00	50 00	74 40	81 0	75	125	130 1	12 4	20		

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050440 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_SOLIDS_ICP

Sample ID	MB-44863	SampType	MBLK			Units	mg/Kg-dry	Prep Date	5/15/2008	RunNo	108193	
Client ID	ZZZZZZ	Batch ID	44863			SOP 3032		Analysis Date	5/15/2008	SeqNo	1948794	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		< 4 00	4 00	4 000	0	0	-100	100				

Sample ID	LCS-44863	SampType	LCS			Units	mg/Kg-dry	Prep Date	5/15/2008	RunNo	108193	
Client ID	ZZZZZZ	Batch ID	44863			SOP 3032		Analysis Date	5/15/2008	SeqNo	1948795	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		49 8	4 00	50 00	0	99 5	85	115				

Sample ID	MB-44863	SampType	MBLK			Units	mg/Kg-dry	Prep Date	5/15/2008	RunNo	108224	
Client ID	ZZZZZZ	Batch ID	44863			SOP 3032		Analysis Date	5/16/2008	SeqNo	1949736	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		< 2 50	2 50	2 500	0	0	-100	100				
Chromium		< 1 00	1 00	1 000	0	0	-100	100				

Sample ID	LCS-44863	SampType	LCS			Units	mg/Kg-dry	Prep Date	5/15/2008	RunNo	108224	
Client ID	ZZZZZZ	Batch ID	44863			SOP 3032		Analysis Date	5/16/2008	SeqNo	1949737	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		212	2 50	200 0	0	106 0	85	115				
Chromium		21 1	1 00	20 00	0	105 6	85	115				

08050440

TEKLAB, INC
5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
TEL (618) 344-1004
FAX (618) 344-1005

CHAIN-OF-CUSTODY RECORD

WorkOrder: 08050440

Client:
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230

TEL: (618) 281-7173
FAX. (618) 281-5120
Project: A831-735002-012901-225/I

12-May-08

					Requested Tests						
Sample ID	**ClientSampID**	**Matrix**	**Date Collected**	**Bottle**	**SW6010B**	**SW9014**	**SW9014 (A)**				
08050440-001	B800 (2-3 ft)	Solid	4/14/2008 12:15:00 PM		A	A	A				

Comments: data in excel

	Date/Time		**Date/Time**
Relinquished by:		**Received by:**	5/12/08
Relinquished by:		**Received by:**	
Relinquished by:		**Received by:**	

NOTE. Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

May 16, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH
NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign 62403053 **WorkOrder:** 08050396

Dear Derek Ingram:

TEKLAB, INC received 1 sample on 4/16/2008 10:00:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

SAMPLE SUMMARY

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050396
Report Date: 16-May-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08050396-001	B-802 (8.5-10.0 ft)	1	4/15/2008 9 15 00 AM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

Client: Philip Environmental

CASE NARRATIVE

Project: A831-735002-012901-225/IP Champaign 62403053

LabOrder: 08050396

Report Date: 16-May-08

Cooler Receipt Temp: °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Additional analysis requested on WO #08040620.

Qualifiers		
DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	**#** - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL· 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050396
Lab ID: 08050396-001
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-802 (8.5-10.0 ft)
Collection Date: 4/15/2008 9:15:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP								
Arsenic	NELAP	0 250		**< 0 250**	mg/L	1	5/14/2008 11 09 50 AM	LAL
Barium	NELAP	0 0500		**1 20**	mg/L	1	5/14/2008 11 09 50 AM	LAL
Cadmium	NELAP	0 0200		**< 0.0200**	mg/L	1	5/14/2008 11 09 50 AM	LAL
Chromium	NELAP	0 100		**< 0.100**	mg/L	1	5/14/2008 11 09 50 AM	LAL
Lead	NELAP	0 400		**< 0.400**	mg/L	1	5/14/2008 11 09 50 AM	LAL
Selenium	NELAP	0 500		**< 0.500**	mg/L	1	5/14/2008 11 09 50 AM	LAL
Silver	NELAP	0 100		**< 0.100**	mg/L	1	5/14/2008 11 09 50 AM	LAL
SW-846 1311, 7470A IN TCLP EXTRACT								
Mercury	NELAP	0 00020		**< 0 00020**	mg/L	1	5/16/2008	JMW

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX 618-344-1005

DATES REPORT

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050396
Report Date: 16-May-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050396-001A	B-802 (8 5-10 0 ft)	4/15/2008	Solid	SW-846 1311, 3010A, 6010B, Metals in TCLP Extract by ICP	5/13/2008	5/14/2008
				SW-846 1311, 7470A in TCLP Extract	5/15/2008	5/16/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050396 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_HG_TCLP

Sample ID	MB-44721	SampType	MBLK			Units	mg/L	Prep Date	5/15/2008		RunNo	108221	
Client ID	ZZZZZZ	Batch ID	44721			SOP 3062		Analysis Date	5/16/2008		SeqNo	1949355	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		< 0 00020	0 00020	0 0002000	0	0	-100	100					

Sample ID	LCS-44721	SampType	LCS			Units	mg/L	Prep Date	5/15/2008		RunNo	108221	
Client ID	ZZZZZZ	Batch ID	44721			SOP 3062		Analysis Date	5/16/2008		SeqNo	1949356	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		0 00487	0 00020	0 005000	0	97 4	85	115					

Sample ID	08050396-001AMS	SampType	MS			Units	mg/L	Prep Date	5/15/2008		RunNo	108221	
Client ID	B-802 (8.5-10.0 ft)M	Batch ID	44721			SOP 3062		Analysis Date	5/16/2008		SeqNo	1949398	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		0 00486	0 00020	0 005000	0	97 2	75	125					

Sample ID	08050396-001AMSD	SampType	MSD			Units	mg/L	Prep Date	5/15/2008		RunNo	108221	
Client ID	B-802 (8.5-10.0 ft)M	Batch ID	44721			SOP 3062		Analysis Date	5/16/2008		SeqNo	1949399	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		0 00507	0 00020	0 005000	0	101 4	75	125	0 004860	4 23	15		

ANALYTICAL QC SUMMARY REPORT

TestCode: M_TCLP_ICP

Sample ID	MB-44825	SampType	MBLK	Units	mg/L	Prep Date	5/13/2008	RunNo	108105
Client ID	ZZZZZZ	Batch ID	44825		SW1311	Analysis Date	5/14/2008	SeqNo	1946457

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0 250	0 250	0 2500	0	0	-100	100				
Barium	< 0 0500	0 0500	0 05000	0	0	-100	100				
Cadmium	< 0 0200	0 0200	0 02000	0	0	-100	100				
Chromium	< 0 100	0 100	0 1000	0	0	-100	100				
Lead	< 0 400	0 400	0 4000	0	0	-100	100				
Selenium	0 24	0 500	0 5000	0	47 0	-100	100				J
Silver	< 0 100	0 100	0 1000	0	0	-100	100				

Sample ID	LCS-44825	SampType	LCS	Units	mg/L	Prep Date	5/13/2008	RunNo	108105
Client ID	ZZZZZZ	Batch ID	44825		SW1311	Analysis Date	5/14/2008	SeqNo	1946458

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	21 4	0 250	20 00	0	107.1	85	115				
Barium	21 2	0 0500	20 00	0	106 0	85	115				
Cadmium	0 518	0 0200	0 5000	0	103 6	85	115				
Chromium	2 08	0 100	2 000	0	104 0	85	115				
Lead	5 02	0 400	5 000	0	100 4	85	115				
Selenium	22 1	0 500	20 00	0	110 7	85	115				
Silver	0 487	0 100	0 5000	0	97 4	85	115				

Sample ID	08050396-001AMS	SampType	MS	Units	mg/L	Prep Date	5/13/2008	RunNo	108105
Client ID	B-802 (8.5-10 0 ft)M	Batch ID	44825		SW1311	Analysis Date	5/14/2008	SeqNo	1946462

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	20 9	0 250	20 00	0	104 4	75	125				
Barium	21 4	0 0500	20 00	1 196	101 0	75	125				
Cadmium	0 502	0 0200	0 5000	0	100 4	75	125				
Chromium	2 06	0 100	2 000	0	103 2	75	125				
Lead	4 82	0 400	5 000	0	96 3	75	125				
Selenium	21 3	0 500	20 00	0	106 6	75	125				

ANALYTICAL QC SUMMARY REPORT

TestCode: M_TCLP_ICP

Sample ID	08050396-001AMS	SampType	MS	Units	mg/L	Prep Date	5/13/2008	RunNo	108105
Client ID	B-802 (8 5-10.0 ft)M	Batch ID	44825		SW1311	Analysis Date	5/14/2008	SeqNo	1946462

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	0 468	0 100	0 5000	0	93 6	75	125				

Sample ID	08050396-001AMSD	SampType	MSD	Units	mg/L	Prep Date	5/13/2008	RunNo	108105
Client ID	B-802 (8.5-10.0 ft)M	Batch ID	44825		SW1311	Analysis Date	5/14/2008	SeqNo	1946463

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	21 3	0 250	20 00	0	106 3	75	125	20 89	1 76	20	
Barium	21 6	0 0500	20 00	1 196	102 1	75	125	21 40	0 977	20	
Cadmium	0 514	0 0200	0 5000	0	102 8	75	125	0 5020	2 36	20	
Chromium	2 11	0 100	2 000	0	105 4	75	125	2 063	2 21	20	
Lead	4 91	0 400	5 000	0	98 2	75	125	4 817	1 93	20	
Selenium	22 1	0 500	20 00	0	110 6	75	125	21 32	3 68	20	
Silver	0 462	0 100	0 5000	0	92 4	75	125	0 4680	1 29	20	

IL ELAP and NELAP Accredited - Accreditation #100226

08050 i

TEKLAB, INC
5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
TEL. (618) 344-1004
FAX (618) 344-1005

CHAIN-OF-CUSTODY RECORD

WorkOrder: 08050396

Client:
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230

TEL: (618) 281-7173
FAX: (618) 281-5120
Project: A831-735002-012901-225/I

09-May-08

					Requested Tests						
Sample ID	**ClientSampID**	**Matrix**	**Date Collected**	**Bottle**	**SW1311/6010 B**	**SW1311/7470 A**					
08050396-001	B-802 (8 5-10 ft)	Solid	4/15/2008 9 15 00 AM		A	A					

Comments: data in excel Per Derek Ingram, additional analysis requested on WO# 08040620. HAW 5/9/08

	Date/Time		Date/Time
Relinquished by:		**Received by:** Marvin L. Darling II	5/9/08
Relinquished by:		**Received by:**	
Relinquished by:		**Received by:**	

NOTE. Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense

Bottle Type L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

May 16, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH nelap

NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign 62403053 **WorkOrder:** 08050439

Dear Derek Ingram:

TEKLAB, INC received 2 samples on 4/4/2008 5:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

SAMPLE SUMMARY

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050439
Report Date: 16-May-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08050439-001	B832 (2-3 ft)	1	4/4/2008 8.53:00 AM
08050439-002	B832 (7-8 ft)	1	4/4/2008 9.09:00 AM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

CASE NARRATIVE

Project: A831-735002-012901-225/IP Champaign 62403053

LabOrder: 08050439

Report Date: 16-May-08

Cooler Receipt Temp: °C

State accreditations:

KS NELAP #E-10347 | KY. UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Additional analysis requested to WO #08040238. Analysis requested outside of hold time for pH, total cyanide, and amenable cyanide.

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	# - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

NVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050439
Lab ID: 08050439-001
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B832 (2-3 ft)
Collection Date: 4/4/2008 8:53:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 31		**4.16**	mg/Kg-dry	1	5/14/2008 4 49 34 PM	LAL
Chromium	NELAP	0 93		**17.0**	mg/Kg-dry	1	5/14/2008 4 49 34 PM	LAL
Lead	NELAP	3 70		**74.2**	mg/Kg-dry	1	5/13/2008 11 05 30 PM	LAL
SW-846 9010B, 9014								
Cyanide	NELAP	0 65	H	**7.52**	mg/Kg-dry	1	5/13/2008	AET
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 65	H	**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050439
Lab ID: 08050439-002
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B832 (7-8 ft)
Collection Date: 4/4/2008 9:09:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.50		**5.99**	mg/Kg-dry	1	5/14/2008 4:56.21 PM	LAL
Chromium	NELAP	1 00		**25.3**	mg/Kg-dry	1	5/14/2008 4 56.21 PM	LAL
Lead	NELAP	4 00		**17.8**	mg/Kg-dry	1	5/13/2008 11.12 19 PM	LAL
SW-846 9010B, 9014								
Cyanide	NELAP	0.64	H	**< 0.64**	mg/Kg-dry	1	5/13/2008	AET
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 64	H	**Interference**	mg/Kg-dry	1	5/14/2008	AET
SW-846 9045C								
pH (1 1)	NELAP	1 00	H	**7.80**		1	5/13/2008 1 52 00 PM	KNL

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

IRONMENTAL TESTING LABORATORY

TEL· 618-344-1004
FAX· 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050439
Report Date: 16-May-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050439-001A	B832 (2-3 ft)	4/4/2008	Solid	SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/13/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050439-002A	B832 (7-8 ft)			SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/13/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
				SW-846 9045C		5/13/2008

ANALYTICAL QC SUMMARY REPORT

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ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Client: ıp Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050439 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPO

TestCode: I_TCN_S_MT

Sample ID	MB-R108067	SampType	MBLK			Units	mg/Kg	Prep Date	5/12/2008		RunNo	108067	
Client ID	ZZZZZZ	Batch ID	44826				SW9010	Analysis Date	5/13/2008		SeqNo.	1945262	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		< 0.01	0 01										

Sample ID	LCS-R108067	SampType	LCS			Units	mg/Kg	Prep Date	5/12/2008		RunNo.	108067	
Client ID	ZZZZZZ	Batch ID	44826				SW9010	Analysis Date	5/13/2008		SeqNo	1945263	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		0 19	0 01	0 2000	0	94 1	85	115					

Sample ID	LCSD-R108067	SampType	LCSD			Units	mg/Kg	Prep Date	5/12/2008		RunNo	108067	
Client ID	ZZZZZZ	Batch ID	44826				SW9010	Analysis Date	5/13/2008		SeqNo	1945264	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		0 20	0 01	0 2000	0	99 7	85	115	0 1881	5 84	15		

Sample ID	08050439-002AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	5/12/2008		RunNo	108067	
Client ID	B832 (7-8 ft)MS	Batch ID	44826				SW9010	Analysis Date	5/13/2008		SeqNo	1945271	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		5 53	0 61	6 135	0	90 2	80	120				H	

Sample ID	08050439-002AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date:	5/12/2008		RunNo	108067	
Client ID	B832 (7-8 ft)MSD	Batch ID	44826				SW9010	Analysis Date	5/13/2008		SeqNo	1945272	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		5 66	0 61	6 135	0	92 3	80	120	5 533	2 35	20	H	

IL ELAP and NELAP Accredited - Accreditation #100226

Client: ip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050439 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPC

TestCode: L_PH_S_M

Sample ID	LCS-R108062	SampType.	LCS			Units		Prep Date		RunNo	108062	
Client ID	ZZZZZZ	Batch ID:	R108062					Analysis Date	5/13/2008	SeqNo	1945128	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH (1 1)		7 00	1 00	7 000	0	100	99 1	100 9				

Sample ID	08050439-002ADUP	SampType	DUP			Units		Prep Date		RunNo	108062	
Client ID	B832 (7-8 ft)DUP	Batch ID:	R108062					Analysis Date	5/13/2008	SeqNo	1945129	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH (1 1)		7 63	1 00						7 800	2 20	10	H

IL ELAP and NELAP Accredited - Accreditation #100226

Client: ıp Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050439 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPC

TestCode: M_SOLIDS_ICP

Sample ID	MB-44806	SampType	MBLK			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108079	
Client ID	ZZZZZZ	Batch ID	44806			SOP 3032		Analysis Date	5/13/2008		SeqNo	1945559	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		< 2 50	2 50	2 500	0	0	-100	100					
Lead		< 4 00	4 00	4 000	0	0	-100	100					

Sample ID	LCS-44806	SampType	LCS			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108079	
Client ID	ZZZZZZ	Batch ID	44806			SOP 3032		Analysis Date	5/13/2008		SeqNo	1945560	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		192	2 50	200.0	0	96 2	85	115					
Lead		49 7	4 00	50 00	0	99 4	85	115					

Sample ID	08050439-002AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108079	
Client ID	B832 (7-8 ft)MS	Batch ID	44806			SOP 3032		Analysis Date	5/13/2008		SeqNo	1945573	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead		64 9	4 00	50 00	17 75	94 3	75	125					

Sample ID	08050439-002AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108079	
Client ID	B832 (7-8 ft)MSD	Batch ID	44806			SOP 3032		Analysis Date	5/13/2008		SeqNo	1945574	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead		63 9	4 00	50 00	17 75	92 2	75	125	64 92	1 65	20		

Sample ID	MB-44806	SampType	MBLK			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108118	
Client ID	ZZZZZZ	Batch ID	44806			SOP 3032		Analysis Date	5/14/2008		SeqNo	1947235	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium		0 64	1 00	1 000	0	64 0	-100	100				J	

IL ELAP and NELAP Accredited - Accreditation #100226

Client: ıp Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050439 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPC

TestCode: M_SOLIDS_ICP

Sample ID	LCS-44806	SampType	LCS	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108118
Client ID	ZZZZZZ	Batch ID	44806		SOP 3032	Analysis Date	5/14/2008	SeqNo	1947236

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	19 7	1 00	20 00	0	98 6	85	115				

Sample ID	08050439-002AMS	SampType	MS	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108118
Client ID	B832 (7-8 ft)MS	Batch ID	44806		SOP 3032	Analysis Date	5/14/2008	SeqNo	1947250

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	191	2 50	200 0	5 990	92 7	75	125				
Chromium	44 9	1 00	20 00	25 34	97 7	75	125				

Sample ID	08050439-002AMSD	SampType	MSD	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108118
Client ID	B832 (7-8 ft)MSD	Batch ID	44806		SOP 3032	Analysis Date	5/14/2008	SeqNo	1947251

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	196	2 50	200 0	5 990	94 8	75	125	191 3	2 17	20	
Chromium	45 2	1 00	20.00	25 34	99.4	75	125	44.87	0 755	20	

08050439

TEKLAB, INC
5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
TEL (618) 344-1004
FAX (618) 344-1005

CHAIN-OF-CUSTODY RECORD

WorkOrder: 08050439

Client.

Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230

TEL. (618) 281-7173
FAX. (618) 281-5120
Project: A831-735002-012901-225/I

12-May-08

					Requested Tests						
Sample ID	**ClientSampID**	**Matrix**	**Date Collected**	**Bottle**	**SW6010B**	**SW9014**	**SW9014 (A)**	**SW9045 C**			
08050439-001	B832 (2-3 ft)	Solid	4/4/2008 8 53 00 AM		A	A	A				
08050439-002	B832 (7-8 ft)	Solid	4/4/2008 9 09 00 AM		A	A	A	A			

Comments: data in excel Additional analysis requested on WO# 08040238 per Leslie Hoosier EAH 5/12/08

	Date/Time		**Date/Time**
Relinquished by:		**Received by:**	5/12/08
Relinquished by:		**Received by:**	
Relinquished by:		**Received by:**	

NOTE Samples are discarded 60 days after results are reported unless other arrangements are made Hazardous samples will be returned to client or disposed of at client expense

Bottle Type L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

May 16, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH nelac
NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign 62403053 **WorkOrder:** 08050396

Dear Derek Ingram:

TEKLAB, INC received 1 sample on 4/16/2008 10:00:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A. White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

SAMPLE SUMMARY

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050396
Report Date: 16-May-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08050396-001	B-802 (8.5-10.0 ft)	1	4/15/2008 9:15:00 AM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

CASE NARRATIVE

Project: A831-735002-012901-225/IP Champaign 62403053

LabOrder: 08050396

Report Date: 16-May-08

Cooler Receipt Temp: °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Additional analysis requested on WO #08040620.

Qualifiers		
DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	**#** - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

NVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX· 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050396
Lab ID: 08050396-001
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-802 (8.5-10 0 ft)
Collection Date: 4/15/2008 9.15·00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP								
Arsenic	NELAP	0 250		**< 0.250**	mg/L	1	5/14/2008 11 09 50 AM	LAL
Barium	NELAP	0 0500		**1.20**	mg/L	1	5/14/2008 11·09.50 AM	LAL
Cadmium	NELAP	0 0200		**< 0.0200**	mg/L	1	5/14/2008 11 09·50 AM	LAL
Chromium	NELAP	0 100		**< 0 100**	mg/L	1	5/14/2008 11 09.50 AM	LAL
Lead	NELAP	0 400		**< 0.400**	mg/L	1	5/14/2008 11 09 50 AM	LAL
Selenium	NELAP	0 500		**< 0.500**	mg/L	1	5/14/2008 11:09 50 AM	LAL
Silver	NELAP	0 100		**< 0.100**	mg/L	1	5/14/2008 11 09 50 AM	LAL
SW-846 1311, 7470A IN TCLP EXTRACT								
Mercury	NELAP	0 00020		**< 0.00020**	mg/L	1	5/16/2008	JMW

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

'RONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050396

Report Date: 16-May-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050396-001A	B-802 (8 5-10 0 ft)	4/15/2008	Solid	SW-846 1311, 3010A, 6010B, Metals in TCLP Extract by ICP	5/13/2008	5/14/2008
				SW-846 1311, 7470A in TCLP Extract	5/15/2008	5/16/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors.

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Client: .p Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050396 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPO.

TestCode: M_HG_TCLP

Sample ID	MB-44721	SampType	MBLK			Units	mg/L	Prep Date	5/15/2008		RunNo	108221	
Client ID	ZZZZZZ	Batch ID	44721			SOP 3062		Analysis Date	5/16/2008		SeqNo	1949355	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		< 0.00020	0 00020	0 0002000	0	0	-100	100					

Sample ID.	LCS-44721	SampType	LCS			Units	mg/L	Prep Date	5/15/2008		RunNo	108221	
Client ID	ZZZZZZ	Batch ID	44721			SOP 3062		Analysis Date	5/16/2008		SeqNo	1949356	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		0 00487	0 00020	0 005000	0	97.4	85	115					

Sample ID	08050396-001AMS	SampType	MS			Units	mg/L	Prep Date.	5/15/2008		RunNo.	108221	
Client ID	B-802 (8.5-10.0 ft)M	Batch ID	44721			SOP 3062		Analysis Date	5/16/2008		SeqNo	1949398	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		0 00486	0.00020	0 005000	0	97.2	75	125					

Sample ID	08050396-001AMSD	SampType	MSD			Units	mg/L	Prep Date.	5/15/2008		RunNo:	108221	
Client ID	B-802 (8.5-10.0 ft)M	Batch ID	44721			SOP 3062		Analysis Date	5/16/2008		SeqNo	1949399	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		0 00507	0.00020	0.005000	0	101 4	75	125	0 004860	4.23	15		

IL ELAP and NELAP Accredited - Accreditation #100226

Client: p Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050396 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPO

TestCode: M_TCLP_ICP

Sample ID: **MB-44825**	SampType **MBLK**	Units **mg/L**	Prep Date **5/13/2008**	RunNo **108105**
Client ID **ZZZZZZ**	Batch ID **44825**	**SW1311**	Analysis Date **5/14/2008**	SeqNo **1946457**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0 250	0 250	0 2500	0	0	-100	100				
Barium	< 0.0500	0 0500	0 05000	0	0	-100	100				
Cadmium	< 0 0200	0 0200	0 02000	0	0	-100	100				
Chromium	< 0 100	0 100	0 1000	0	0	-100	100				
Lead	< 0 400	0.400	0 4000	0	0	-100	100				
Selenium	0 24	0 500	0 5000	0	47 0	-100	100				J
Silver	< 0 100	0 100	0 1000	0	0	-100	100				

Sample ID **LCS-44825**	SampType **LCS**	Units **mg/L**	Prep Date. **5/13/2008**	RunNo **108105**
Client ID **ZZZZZZ**	Batch ID **44825**	**SW1311**	Analysis Date **5/14/2008**	SeqNo **1946458**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	21 4	0 250	20 00	0	107 1	85	115				
Barium	21 2	0.0500	20 00	0	106 0	85	115				
Cadmium	0 518	0 0200	0 5000	0	103 6	85	115				
Chromium	2 08	0.100	2 000	0	104 0	85	115				
Lead	5 02	0 400	5 000	0	100 4	85	115				
Selenium	22 1	0 500	20 00	0	110 7	85	115				
Silver	0 487	0 100	0.5000	0	97 4	85	115				

Sample ID **08050396-001AMS**	SampType **MS**	Units **mg/L**	Prep Date **5/13/2008**	RunNo **108105**
Client ID **B-802 (8.5-10.0 ft)M**	Batch ID **44825**	**SW1311**	Analysis Date **5/14/2008**	SeqNo **1946462**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	20 9	0 250	20 00	0	104 4	75	125				
Barium	21 4	0 0500	20 00	1 196	101 0	75	125				
Cadmium	0 502	0 0200	0 5000	0	100 4	75	125				
Chromium	2 06	0 100	2.000	0	103 2	75	125				
Lead	4 82	0 400	5 000	0	96.3	75	125				
Selenium	21 3	0 500	20.00	0	106 6	75	125				

Sample ID	08050396-001AMS	SampType	MS	Units	mg/L	Prep Date	5/13/2008	RunNo	108105
Client ID	B-802 (8.5-10.0 ft)M	Batch ID	44825		SW1311	Analysis Date	5/14/2008	SeqNo	1946462

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	0 468	0 100	0 5000	0	93 6	75	125				

Sample ID	08050396-001AMSD	SampType	MSD	Units	mg/L	Prep Date	5/13/2008	RunNo	108105
Client ID	B-802 (8.5-10.0 ft)M	Batch ID	44825		SW1311	Analysis Date	5/14/2008	SeqNo	1946463

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	21 3	0 250	20 00	0	106 3	75	125	20 89	1 76	20	
Barium	21 6	0 0500	20 00	1 196	102.1	75	125	21 40	0 977	20	
Cadmium	0 514	0 0200	0 5000	0	102.8	75	125	0 5020	2 36	20	
Chromium	2 11	0 100	2 000	0	105 4	75	125	2 063	2 21	20	
Lead	4 91	0 400	5 000	0	98.2	75	125	4 817	1 93	20	
Selenium	22 1	0 500	20 00	0	110 6	75	125	21 32	3 68	20	
Silver	0 462	0 100	0 5000	0	92.4	75	125	0 4680	1 29	20	

IL ELAP and NELAP Accredited - Accreditation #100226

08050396

TEKLAB, INC
5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
TEL (618) 344-1004
FAX (618) 344-1005

CHAIN-OF-CUSTODY RECORD

WorkOrder: 08050396

Client:
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230

TEL: (618) 281-7173
FAX (618) 281-5120
Project. A831-735002-012901-225/I

09-May-08

					Requested Tests						
Sample ID	**ClientSampID**	**Matrix**	**Date Collected**	**Bottle**	**SW1311/6010 B**	**SW1311/7470 A**					
08050396-001	B-802 (8 5-10 ft)	Solid	4/15/2008 9 15 00 AM		A	A					

Comments: data in excel Per Derek Ingram, additional analysis requested on WO# 08040620. HAW 5/9/08

	Date/Time		Date/Time
Relinquished by:		**Received by:** Marvin L. Darling II	5/9/08
Relinquished by:		**Received by:**	
Relinquished by:		**Received by:**	

NOTE Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense

Bottle Type L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

May 16, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH
NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign 62403053 **WorkOrder:** 08050440

Dear Derek Ingram:

TEKLAB, INC received 1 sample on 4/16/2008 10:00:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A. White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

SAMPLE SUMMARY

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050440
Report Date: 16-May-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08050440-001	B800 (2-3 ft)	1	4/14/2008 12:15:00 PM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

CASE NARRATIVE

Project: A831-735002-012901-225/IP Champaign 62403053

LabOrder: 08050440

Report Date: 16-May-08

Cooler Receipt Temp: °C

State accreditations:

KS NELAP #E-10347 | KY. UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Additional analysis requested to WO #08040620. Analysis requested outside of holding time for total cyanide and amenable cyanide.

Qualifiers		
DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	# - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050440
Lab ID: 08050440-001
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B800 (2-3 ft)
Collection Date: 4/14/2008 12.15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**6.22**	mg/Kg-dry	1	5/14/2008 5 17 14 PM	LAL
Chromium	NELAP	1 00		**16.5**	mg/Kg-dry	1	5/14/2008 5 17 14 PM	LAL
Lead	NELAP	4 00		**74.4**	mg/Kg-dry	1	5/15/2008 2 49 37 PM	CRK
SW-846 9010B, 9014								
Cyanide	NELAP	0 61	JH	**0.39**	mg/Kg-dry	1	5/14/2008	AET
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 61	H	**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

RONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050440

Report Date: 16-May-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050440-001A	B800 (2-3 ft)	4/14/2008	Solid	SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/13/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/15/2008	5/15/2008
				SW-846 9010B, 9014	5/12/2008	5/14/2008
				SW-846 9014A	5/13/2008	5/14/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes. (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Client: ıp Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050440 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPC

TestCode: I_TCN_S_MT

Sample ID	MB-R108067	SampType	MBLK			Units	mg/Kg	Prep Date	5/12/2008		RunNo	108067	
Client ID	ZZZZZZ	Batch ID	44826				SW9010	Analysis Date.	5/13/2008		SeqNo	1945262	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		< 0 01	0 01										

Sample ID	LCS-R108067	SampType	LCS			Units	mg/Kg	Prep Date	5/12/2008		RunNo.	108067	
Client ID	ZZZZZZ	Batch ID	44826				SW9010	Analysis Date.	5/13/2008		SeqNo	1945263	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		0 19	0 01	0.2000	0	94 1	85	115					

Sample ID	LCSD-R108067	SampType	LCSD			Units	mg/Kg	Prep Date	5/12/2008		RunNo	108067	
Client ID	ZZZZZZ	Batch ID	44826				SW9010	Analysis Date	5/13/2008		SeqNo	1945264	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		0 20	0 01	0 2000	0	99 7	85	115	0 1881	5 84	15		

IL ELAP and NELAP Accredited - Accreditation #100226

Client: p Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050440 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPO

TestCode: M_SOLIDS_ICP

Sample ID	MB-44806	SampType	MBLK	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108079
Client ID	ZZZZZZ	Batch ID	44806		SOP 3032	Analysis Date	5/13/2008	SeqNo	1945559

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 2 50	2.50	2 500	0	0	-100	100				
Lead	< 4.00	4 00	4 000	0	0	-100	100				

Sample ID	LCS-44806	SampType	LCS	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108079
Client ID	ZZZZZZ	Batch ID	44806		SOP 3032	Analysis Date	5/13/2008	SeqNo	1945560

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	192	2 50	200 0	0	96 2	85	115				
Lead	49 7	4 00	50 00	0	99 4	85	115				

Sample ID	MB-44806	SampType	MBLK	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108118
Client ID	ZZZZZZ	Batch ID	44806		SOP 3032	Analysis Date	5/14/2008	SeqNo	1947235

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0 64	1 00	1.000	0	64 0	-100	100				J

Sample ID	LCS-44806	SampType	LCS	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108118
Client ID	ZZZZZZ	Batch ID	44806		SOP 3032	Analysis Date	5/14/2008	SeqNo	1947236

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	19 7	1 00	20 00	0	98.6	85	115				

Sample ID	08050440-001AMS	SampType	MS	Units	mg/Kg-dry	Prep Date	5/13/2008	RunNo	108118
Client ID	B800 (2-3 ft)MS	Batch ID	44806		SOP 3032	Analysis Date	5/14/2008	SeqNo	1947253

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	187	2 50	200 0	6 220	90 3	75	125				
Chromium	34 8	1 00	20 00	16 49	91 5	75	125				

Client: p Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050440 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPO

TestCode: M_SOLIDS_ICP

Sample ID	08050440-001AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108118	
Client ID	B800 (2-3 ft)MSD	Batch ID	44806				SOP 3032	Analysis Date	5/14/2008		SeqNo	1947254	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		195	2 50	200 0	6.220	94 5	75	125	186 8	4 45	20		
Chromium		37 1	1 00	20 00	16 49	103 1	75	125	34 79	6 45	20		

Sample ID	MB-44863	SampType	MBLK			Units	mg/Kg-dry	Prep Date	5/15/2008		RunNo	108133	
Client ID	ZZZZZZ	Batch ID	44863				SOP 3032	Analysis Date	5/15/2008		SeqNo	1948451	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium		< 1 00	1 00	1 000	0	0	-100	100					
Lead		< 4 00	4 00	4 000	0	0	-100	100					

Sample ID	LCS-44863	SampType	LCS			Units	mg/Kg-dry	Prep Date	5/15/2008		RunNo.	108133	
Client ID	ZZZZZZ	Batch ID	44863				SOP 3032	Analysis Date	5/15/2008		SeqNo.	1948452	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium		19 1	1 00	20 00	0	95 6	85	115					
Lead		46 2	4.00	50 00	0	92 4	85	115					

Sample ID	08050440-001AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	5/15/2008		RunNo	108133	
Client ID	B800 (2-3 ft)MS	Batch ID	44863				SOP 3032	Analysis Date	5/15/2008		SeqNo	1948614	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead		130	4 00	50 00	74 40	111 4	75	125					

Sample ID	08050440-001AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date:	5/15/2008		RunNo	108133	
Client ID	B800 (2-3 ft)MSD	Batch ID	44863				SOP 3032	Analysis Date	5/15/2008		SeqNo	1948615	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead		115	4 00	50 00	74 40	81 0	75	125	130.1	12 4	20		

IL ELAP and NELAP Accredited - Accreditation #100226

Client: p Environmental
Project: Ao31-735002-012901-225/IP Champaign 62403053
Lab Order: 08050440 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPO

TestCode: M_SOLIDS_ICP

Sample ID	MB-44863	SampType	MBLK			Units	mg/Kg-dry	Prep Date	5/15/2008	RunNo	108193	
Client ID	ZZZZZZ	Batch ID	44863				SOP 3032	Analysis Date	5/15/2008	SeqNo	1948794	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		< 4 00	4 00	4 000	0	0	-100	100				

Sample ID	LCS-44863	SampType	LCS			Units	mg/Kg-dry	Prep Date	5/15/2008	RunNo	108193	
Client ID	ZZZZZZ	Batch ID	44863				SOP 3032	Analysis Date	5/15/2008	SeqNo	1948795	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		49 8	4 00	50.00	0	99 5	85	115				

Sample ID	MB-44863	SampType	MBLK			Units	mg/Kg-dry	Prep Date	5/15/2008	RunNo	108224	
Client ID	ZZZZZZ	Batch ID	44863				SOP 3032	Analysis Date	5/16/2008	SeqNo	1949736	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		< 2 50	2 50	2 500	0	0	-100	100				
Chromium		< 1 00	1 00	1 000	0	0	-100	100				

Sample ID	LCS-44863	SampType	LCS			Units	mg/Kg-dry	Prep Date	5/15/2008	RunNo	108224	
Client ID	ZZZZZZ	Batch ID	44863				SOP 3032	Analysis Date	5/16/2008	SeqNo	1949737	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		212	2 50	200.0	0	106 0	85	115				
Chromium		21 1	1 00	20.00	0	105 6	85	115				

0805 0440

TEKLAB, INC
5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
TEL (618) 344-1004
FAX (618) 344-1005

CHAIN-OF-CUSTODY RECORD

WorkOrder: 08050440

Client:
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230

TEL (618) 281-7173
FAX (618) 281-5120
Project A831-735002-012901-225/I

12-May-08

					Requested Tests						
Sample ID	**ClientSampID**	**Matrix**	**Date Collected**	**Bottle**	**SW6010B**	**SW9014**	**SW9014 (A)**				
08050440-001	B800 (2-3 ft)	Solid	4/14/2008 12 15 00 PM		A	A	A				

Comments: data in excel

		Date/Time			**Date/Time**
Relinquished by:			**Received by:**		5/12/08
Relinquished by:			**Received by:**		
Relinquished by:			**Received by:**		

NOTE Samples are discarded 60 days after results are reported unless other arrangements are made Hazardous samples will be returned to client or disposed of at client expense

Bottle Type L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

May 29, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH nelap

NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign 62403053 **WorkOrder:** 08050896

Dear Derek Ingram:

TEKLAB, INC received 4 samples on 5/23/2008 11:44:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A. White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

SAMPLE SUMMARY

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050896
Report Date: 29-May-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08050896-001	B-845 2.0-4.0 ft	1	5/6/2008 2:35:00 PM
08050896-002	B-845 0.0-2.0 ft	1	5/6/2008 2:40:00 PM
08050896-003	B-851 19.0-20.0 ft	1	5/9/2008 10:20:00 AM
08050896-004	B-851 14.0-16.0 ft	1	5/9/2008 10:15:00 AM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

CASE NARRATIVE

Project: A831-735002-012901-225/IP Champaign 62403053
LabOrder: 08050896
Report Date: 29-May-08

Cooler Receipt Temp: 23.4 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	# - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept. of Public Health	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050896
Lab ID: 08050896-001
Report Date: 29-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-845 2.0-4.0 ft
Collection Date: 5/6/2008 2:35:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
FOC (0.58 conversion factor)		0.10	H	**0.85**	wt%	1	5/23/2008	HMH
Organic Matter		0.10	H	**1.47**	wt%	1	5/23/2008	HMH

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050896
Lab ID: 08050896-002
Report Date: 29-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-845 0.0-2.0 ft
Collection Date: 5/6/2008 2:40:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
FOC (0.58 conversion factor)		0.10	H	**1.77**	wt%	1	5/23/2008	HMH
Organic Matter		0.10	H	**3.04**	wt%	1	5/23/2008	HMH

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050896
Lab ID: 08050896-003
Report Date: 29-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-851 19.0-20.0 ft
Collection Date: 5/9/2008 10:20:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
FOC (0.58 conversion factor)		0.10		**1.04**	wt%	1	5/23/2008	HMH
Organic Matter		0.10		**1.79**	wt%	1	5/23/2008	HMH

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050896
Lab ID: 08050896-004
Report Date: 29-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-851 14.0-16.0 ft
Collection Date: 5/9/2008 10:15:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
FOC (0.58 conversion factor)		0.10		**1.40**	wt%	1	5/23/2008	HMH
Organic Matter		0.10		**2.41**	wt%	1	5/23/2008	HMH

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

E RONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050896
Report Date: 29-May-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050896-001A	B-845 2 0-4 0 ft	5/6/2008	Solid	ASTM D2974		5/23/2008
08050896-002A	B-845 0 0-2 0 ft			ASTM D2974		5/23/2008
08050896-003A	B-851 19 0-20 0 ft	5/9/2008		ASTM D2974		5/23/2008
08050896-004A	B-851 14 0-16 0 ft			ASTM D2974		5/23/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors.

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

ANALYTICAL QC SUMMARY REPOI

TestCode: I_OM_D_M

Sample ID	**08050896-004ADUP**	SampType	**DUP**		Units	**wt%**	Prep Date		RunNo	**108593**	
Client ID	**B-851 14.0-16.0 ftDU**	Batch ID	**R108593**				Analysis Date	**5/23/2008**	SeqNo	**1958606**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
FOC (0 58 conversion factor)	1 35	0 10						1 401	3 32	25	
Organic Matter	2 34	0 10						2.415	3 32	25	

IL ELAP and NELAP Accredited - Accreditation #100226

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

RECEIVING CHECK LIST

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050896
Report Date: 29-May-08

Carrier: Rachael Hunson

Received By: AMH

Completed by: A. Harris
On: 23-May-08
Amanda M Harris

Reviewed by: Elizabeth A. Hurley
On: 23-May-08
Elizabeth A Hurley

Pages to follow: Chain of custody [1] Extra pages included [0]

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	23 4	
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑			
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑			
Type of thermal preservation?	None ☑	Ice ☐	Blue Ice ☐	Dry Ice ☐		
Chain of custody present?	Yes ☑	No ☐				
Chain of custody signed when relinquished and received?	Yes ☑	No ☐				
Chain of custody agrees with sample labels?	Yes ☑	No ☐				
Samples in proper container/bottle?	Yes ☑	No ☐				
Sample containers intact?	Yes ☑	No ☐				
Sufficient sample volume for indicated test?	Yes ☑	No ☐				
All samples received within holding time?	Yes ☐	No ☑				
Reported field parameters measured	Field ☐	Lab ☐	NA ☑			
Container/Temp Blank temperature in compliance?	Yes ☐	No ☑				
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected						
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑			
Water - pH acceptable upon receipt?	Yes ☑	No ☐				

Any No responses must be detailed below or on the COC

Samples received did not meet hold time requirements Per Derek Ingram, continue with analysis out of hold time EAH 5/23/08

The samples were out of temperature compliance upon receipt Per Richard Husan, continue with analysis out of temperature compliance AMH 5/23/08

Chain of Custody Record

210 West Sand Bank Road
P.O Box 230
Columbia, IL 62236-0230
(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

08050896

COC Serial No. B 08885

Project Name: [illegible] **Project Mgr.:** [illegible]

Project Number: [illegible] **Cost Code:** [illegible]

Sampler(s): [illegible]

Laboratory Name: [illegible]
Location: [illegible]

Laboratory Temperature upon Receipt: [illegible]

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	Analyses by Method Name and Number	Comments (Field PID)	Lab ID #'s
B [illegible]	[illegible]	[illegible]	X					1	X		08050896-001
B [illegible]	[illegible]	[illegible]	X					1	X		002
B-[illegible]	[illegible]	[illegible]	X					1	X		003
B-[illegible]	[illegible]	[illegible]	X					1	X		004

Samples Iced: ☐ Yes ☒ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics — Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) — Sodium Bisulfate/Methanol
- ☐ TPH — Hydrochloric acid and/or Sulfuric acid
- ☐ Metals — Nitric acid (HNO_3)
- ☐ Cyanide — Sodium hydroxide (NaOH)
- ☐ Other (Specify) _____

Lab Directives:

Requested TAT ☐ Rush ☐ 5 Days ☒ STD ☐ Other _____

Fax and/or Mail Results to [illegible]

Send Invoice to _____

QC Deliverable Requested. ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____

Special Guidelines _____

Reporting Limits _____

* Special _____

Shipping:

Carrier / Airbill No

Relinquished by:

Signature	Date	Time
[illegible]	[illegible]	[illegible]

Received by:

Signature	Date	Time
[illegible]	[illegible]	[illegible]

Distribution [illegible]E to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be C[illegible]ted by Lab

PE-179 (6/0[illegible]

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

May 16, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH nelac

NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign 62403053 **WorkOrder:** 08050415

Dear Derek Ingram:

TEKLAB, INC received 40 samples on 5/9/2008 5:20:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A. White

Heather A. White
Project Manager
(618)344-1004 ex 20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

SAMPLE SUMMARY

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050415

Report Date: 16-May-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08050415-001	B-812 1 0-2 0 ft	4	5/5/2008 4.10.00 PM
08050415-002	B-812 9 0-10.0 ft	4	5/5/2008 4:25:00 PM
08050415-003	B-812 11.0-12 0 ft	4	5/5/2008 4 42:00 PM
08050415-004	B-811 2.0-3 0 ft	4	5/5/2008 5 15:00 PM
08050415-005	B-811 9 0-10 0 ft	4	5/5/2008 5 23:00 PM
08050415-006	B-811 11.0-12.0 ft	4	5/5/2008 5 43:00 PM
08050415-007	B-843 2.0-3 0 ft	4	5/6/2008 9:24:00 AM
08050415-008	B-843 7 0-8 0 ft	4	5/6/2008 9.35:00 AM
08050415-009	B-843 10 0-11.0 ft	4	5/6/2008 9 47.00 AM
08050415-010	B-844 1.0-2.0 ft	4	5/6/2008 12 47 00 PM
08050415-011	B-844 8.0-9.0 ft	4	5/6/2008 1.05:00 PM
08050415-012	B-844 15 0-16.0 ft	4	5/6/2008 1.40.00 PM
08050415-013	B-851 19.0-20 0 ft	4	5/9/2008 10.20:00 AM
08050415-014	B-852 2.0-3 0 ft	4	5/9/2008 11:11.00 AM
08050415-015	B-852 9 0-10.0 ft	4	5/9/2008 11.25:00 AM
08050415-016	B-852 23.0-24 0 ft	4	5/9/2008 11 42:00 AM
08050415-017	B-845 6.0-7 0 ft	4	5/6/2008 2 45:00 PM
08050415-018	B-845 13 0-14 0 ft	4	5/6/2008 3:00 00 PM
08050415-019	B-846 8.5-9 5 ft	4	5/7/2008 8 55:00 AM
08050415-020	B-846 10.0-11.0 ft	4	5/7/2008 9 30:00 AM
08050415-021	B-846 20.0-21 0 ft	4	5/7/2008 9:54:00 AM
08050415-022	B-803 2 0-3 0 ft	4	5/7/2008 10:07:00 AM
08050415-023	B-803 9.0-10.0 ft	4	5/7/2008 10.20:00 AM
08050415-024	B-803 21 0-22.0 ft	4	5/7/2008 10 41:00 AM
08050415-025	B-803 29.0-30 0 ft	4	5/7/2008 10:55:00 AM
08050415-026	B-849 0 0-1.0 ft	4	5/7/2008 11:25:00 AM
08050415-027	B-849 9 0-10 0 ft	4	5/7/2008 11 35:00 AM
08050415-028	B-849 16.0-17.0 ft	4	5/7/2008 11.55 00 AM
08050415-029	B-848 2.0-3 0 ft	4	5/7/2008 3 45:00 PM
08050415-030	B-848 9.0-10.0 ft	4	5/7/2008 3:55:00 PM
08050415-031	B-848 13.0-14.0 ft	4	5/7/2008 4 10:00 PM
08050415-032	B-847 6.0-7 0 ft	4	5/7/2008 4 47 00 PM
08050415-033	B-847 22 0-23.0 ft	4	5/7/2008 5.18:00 PM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

SAMPLE SUMMARY

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050415
Report Date: 16-May-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08050415-034	B-809 2.0-3.0 ft	4	5/8/2008 9:45:00 AM
08050415-035	B-809 9.0-10 0 ft	4	5/8/2008 9 58 00 AM
08050415-036	B-809 15.0-16.0 ft	4	5/8/2008 10 15:00 AM
08050415-037	B-847 29.0-30 0 ft	4	5/7/2008 5.30.00 PM
08050415-038	B-850 8.0-9 0 ft	4	5/8/2008 11·30·00 AM
08050415-039	B-850 16.0-17.0 ft	4	5/8/2008 12.05 00 PM
08050415-040	B-850 25 0-26 0 ft	4	5/8/2008 12 55:00 PM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

CASE NARRATIVE

Project: A831-735002-012901-225/IP Champaign 62403053

LabOrder: 08050415

Report Date: 16-May-08

Cooler Receipt Temp: 4.6 °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	**#** - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-001
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-812 1.0-2.0 ft
Collection Date: 5/5/2008 4:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**24.5**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**75.5**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.005		**ND**	mg/Kg-dry	1	5/14/2008 10:34:00 AM	TDN
Acenaphthylene	NELAP	0.005		**ND**	mg/Kg-dry	1	5/14/2008 10:34:00 AM	TDN
Anthracene	NELAP	0.005		**ND**	mg/Kg-dry	1	5/14/2008 10:34:00 AM	TDN
Benzo(a)anthracene	NELAP	0.005		**0.008**	mg/Kg-dry	1	5/14/2008 10:34:00 AM	TDN
Benzo(a)pyrene	NELAP	0.005		**0.008**	mg/Kg-dry	1	5/14/2008 10:34:00 AM	TDN
Benzo(b)fluoranthene	NELAP	0.005		**0.011**	mg/Kg-dry	1	5/14/2008 10:34:00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0.005		**0.007**	mg/Kg-dry	1	5/14/2008 10:34:00 AM	TDN
Benzo(k)fluoranthene	NELAP	0.005		**ND**	mg/Kg-dry	1	5/14/2008 10:34:00 AM	TDN
Chrysene	NELAP	0.005		**0.006**	mg/Kg-dry	1	5/14/2008 10:34:00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0.005		**ND**	mg/Kg-dry	1	5/14/2008 10:34:00 AM	TDN
Fluoranthene	NELAP	0.005		**0.007**	mg/Kg-dry	1	5/14/2008 10:34:00 AM	TDN
Fluorene	NELAP	0.005		**ND**	mg/Kg-dry	1	5/14/2008 10:34:00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.005		**0.005**	mg/Kg-dry	1	5/14/2008 10:34:00 AM	TDN
Naphthalene	NELAP	0.005		**ND**	mg/Kg-dry	1	5/14/2008 10:34:00 AM	TDN
Phenanthrene	NELAP	0.005		**ND**	mg/Kg-dry	1	5/14/2008 10:34:00 AM	TDN
Pyrene	NELAP	0.005		**0.008**	mg/Kg-dry	1	5/14/2008 10:34:00 AM	TDN
Surr: 2-Fluorobiphenyl		10-131		**57.7**	%REC	1	5/14/2008 10:34:00 AM	TDN
Surr: Nitrobenzene-d5		10-132		**61.9**	%REC	1	5/14/2008 10:34:00 AM	TDN
Surr: p-Terphenyl-d14		30.6-131		**66.7**	%REC	1	5/14/2008 10:34:00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.1		**ND**	µg/Kg-dry	1	5/13/2008 5:30:00 AM	JSA
Ethylbenzene	NELAP	5.7		**ND**	µg/Kg-dry	1	5/13/2008 5:30:00 AM	JSA
Toluene	NELAP	5.7	J	**1.4**	µg/Kg-dry	1	5/13/2008 5:30:00 AM	JSA
Xylenes, Total	NELAP	5.7		**ND**	µg/Kg-dry	1	5/13/2008 5:30:00 AM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		**87.3**	%REC	1	5/13/2008 5:30:00 AM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		**98.3**	%REC	1	5/13/2008 5:30:00 AM	JSA
Surr: Dibromofluoromethane		66.6-130		**98.0**	%REC	1	5/13/2008 5:30:00 AM	JSA
Surr: Toluene-d8		80.1-122		**98.3**	%REC	1	5/13/2008 5:30:00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-002
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-812 9.0-10.0 ft
Collection Date: 5/5/2008 4.25:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**12.7**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**87.3**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11:10 00 AM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11.10 00 AM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11:10 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 10 00 AM	TDN
Benzo(a)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/14/2008 11 10 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 10 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11:10:00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 10 00 AM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 10 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 10 00 AM	TDN
Fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/14/2008 11 10 00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 10.00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 10 00 AM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 10:00 AM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11:10 00 AM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 10:00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**60.7**	%REC	1	5/14/2008 11 10 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**61.3**	%REC	1	5/14/2008 11.10 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**66.7**	%REC	1	5/14/2008 11 10:00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.0		**3.0**	µg/Kg-dry	1	5/13/2008 5.59 00 AM	JSA
Ethylbenzene	NELAP	4 8	J	**2.1**	µg/Kg-dry	1	5/13/2008 5:59:00 AM	JSA
Toluene	NELAP	4 8		**7.1**	µg/Kg-dry	1	5/13/2008 5.59 00 AM	JSA
Xylenes, Total	NELAP	4 8		**5.0**	µg/Kg-dry	1	5/13/2008 5:59 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**72.0**	%REC	1	5/13/2008 5.59 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**97.6**	%REC	1	5/13/2008 5:59:00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**85.6**	%REC	1	5/13/2008 5:59.00 AM	JSA
Surr Toluene-d8		80 1-122		**104.7**	%REC	1	5/13/2008 5:59:00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-003
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-812 11 0-12.0 ft
Collection Date: 5/5/2008 4:42:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**15.3**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**84.7**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2:02:00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2.02:00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2:02.00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 02 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 02 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2.02 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 02 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 02 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2:02 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 02 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2.02 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 02 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 02:00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2:02 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 02 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2.02.00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**48.5**	%REC	1	5/15/2008 2.02 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**51.9**	%REC	1	5/15/2008 2 02 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**59.5**	%REC	1	5/15/2008 2 02 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**2.3**	µg/Kg-dry	1	5/13/2008 6 28 00 AM	JSA
Ethylbenzene	NELAP	4 6	J	**1.6**	µg/Kg-dry	1	5/13/2008 6 28:00 AM	JSA
Toluene	NELAP	4 6		**4.6**	µg/Kg-dry	1	5/13/2008 6 28 00 AM	JSA
Xylenes, Total	NELAP	4 6	J	**3.6**	µg/Kg-dry	1	5/13/2008 6 28 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**85.1**	%REC	1	5/13/2008 6 28 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**99.2**	%REC	1	5/13/2008 6.28 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**96.8**	%REC	1	5/13/2008 6 28:00 AM	JSA
Surr Toluene-d8		80 1-122		**97.7**	%REC	1	5/13/2008 6:28 00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-004
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-811 2.0-3.0 ft
Collection Date: 5/5/2008 5.15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**21.1**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**78.9**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 27		**2.81**	mg/Kg-dry	1	5/14/2008 7.32 30 PM	LAL
Chromium	NELAP	0 91		**20.0**	mg/Kg-dry	1	5/14/2008 7.32 30 PM	LAL
Lead	NELAP	3 64		**16.8**	mg/Kg-dry	1	5/15/2008 5 35 14 PM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 56.00 AM	TDN
Acenaphthylene	NELAP	0 004		**0.012**	mg/Kg-dry	1	5/15/2008 3 56 00 AM	TDN
Anthracene	NELAP	0 004		**0.020**	mg/Kg-dry	1	5/15/2008 3.56 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.073**	mg/Kg-dry	1	5/15/2008 3 56 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.083**	mg/Kg-dry	1	5/15/2008 3.56 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.102**	mg/Kg-dry	1	5/15/2008 3 56 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.047**	mg/Kg-dry	1	5/15/2008 3 56 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.035**	mg/Kg-dry	1	5/15/2008 3 56 00 AM	TDN
Chrysene	NELAP	0 004		**0.080**	mg/Kg-dry	1	5/15/2008 3 56 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0.014**	mg/Kg-dry	1	5/15/2008 3 56 00 AM	TDN
Fluoranthene	NELAP	0 004		**0.127**	mg/Kg-dry	1	5/15/2008 3 56 00 AM	TDN
Fluorene	NELAP	0 004		**0.005**	mg/Kg-dry	1	5/15/2008 3.56 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.046**	mg/Kg-dry	1	5/15/2008 3 56 00 AM	TDN
Naphthalene	NELAP	0 004		**0.004**	mg/Kg-dry	1	5/15/2008 3 56 00 AM	TDN
Phenanthrene	NELAP	0 004		**0.055**	mg/Kg-dry	1	5/15/2008 3.56.00 AM	TDN
Pyrene	NELAP	0 004		**0.105**	mg/Kg-dry	1	5/15/2008 3 56 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**53.5**	%REC	1	5/15/2008 3 56 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**57.1**	%REC	1	5/15/2008 3 56 00 AM	TDN
Surr. p-Terphenyl-d14		30 6-131		**67.1**	%REC	1	5/15/2008 3 56:00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.1		**3.6**	µg/Kg-dry	1	5/13/2008 8 23 00 PM	GEK
Ethylbenzene	NELAP	5 5	J	**2.2**	µg/Kg-dry	1	5/13/2008 8 23.00 PM	GEK
Toluene	NELAP	5 5		**7.3**	µg/Kg-dry	1	5/13/2008 8 23 00 PM	GEK
Xylenes, Total	NELAP	5 5		**7.6**	µg/Kg-dry	1	5/13/2008 8 23 00 PM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**115.7**	%REC	1	5/13/2008 8 23.00 PM	GEK
Surr 4-Bromofluorobenzene		78 2-117	S	**73.2**	%REC	1	5/13/2008 8 23.00 PM	GEK
Surr Dibromofluoromethane		66 6-130		**109.3**	%REC	1	5/13/2008 8 23 00 PM	GEK
Surr Toluene-d8		80 1-122		**117.4**	%REC	1	5/13/2008 8 23.00 PM	GEK
SW-846 9010B, 9014								
Cyanide	NELAP	0 63	J	**0.32**	mg/Kg-dry	1	5/13/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-004
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-811 2.0-3.0 ft
Collection Date: 5/5/2008 5:15 00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 63		**< 0.63**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-005
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-811 9.0-10.0 ft
Collection Date: 5/5/2008 5.23:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**20.3**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**79.7**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**6.47**	mg/Kg-dry	1	5/14/2008 7:39 17 PM	LAL
Chromium	NELAP	1 00		**15.1**	mg/Kg-dry	1	5/14/2008 7 39 17 PM	LAL
Lead	NELAP	4 00		**10.0**	mg/Kg-dry	1	5/15/2008 5 39 25 PM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0.008**	mg/Kg-dry	1	5/15/2008 2 39 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0.017**	mg/Kg-dry	1	5/15/2008 2 39.00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 39 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 39 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2.39 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2:39.00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 39 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 39.00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 39 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2:39 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 39:00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 39:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 39:00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2.39 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 39 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 2 39:00 PM	TDN
Surr. 2-Fluorobiphenyl		10-131		**35.3**	%REC	1	5/15/2008 2 39 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**40.1**	%REC	1	5/15/2008 2.39 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**54.9**	%REC	1	5/15/2008 2 39 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		**ND**	µg/Kg-dry	1	5/13/2008 6 58.00 AM	JSA
Ethylbenzene	NELAP	4 2		**ND**	µg/Kg-dry	1	5/13/2008 6 58 00 AM	JSA
Toluene	NELAP	4 2		**ND**	µg/Kg-dry	1	5/13/2008 6 58:00 AM	JSA
Xylenes, Total	NELAP	4 2		**ND**	µg/Kg-dry	1	5/13/2008 6.58 00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**89.2**	%REC	1	5/13/2008 6 58 00 AM	JSA
Surr 4-Bromofluorobenzene		78.2-117		**101.7**	%REC	1	5/13/2008 6.58 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**98.6**	%REC	1	5/13/2008 6 58 00 AM	JSA
Surr Toluene-d8		80 1-122		**97.7**	%REC	1	5/13/2008 6:58 00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 60	J	**0.25**	mg/Kg-dry	1	5/13/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-005
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-811 9.0-10.0 ft
Collection Date: 5/5/2008 5.23:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0.60		**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-006
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-811 11.0-12.0 ft
Collection Date: 5/5/2008 5:43.00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**12.6**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**87.4**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 40		**6.43**	mg/Kg-dry	1	5/14/2008 7 46 04 PM	LAL
Chromium	NELAP	0 96		**14.4**	mg/Kg-dry	1	5/14/2008 7:46:04 PM	LAL
Lead	NELAP	3 85		**10.1**	mg/Kg-dry	1	5/15/2008 5:43 38 PM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 11 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 11.00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 11 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4:11:00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 11:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4:11.00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/14/2008 4 11:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 11:00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4.11 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 11:00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4:11:00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 11.00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 11:00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 11 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 11 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4:11 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**31.9**	%REC	1	5/14/2008 4:11:00 PM	TDN
Surr Nitrobenzene-d5		10-132		**48.3**	%REC	1	5/14/2008 4 11.00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**62.7**	%REC	1	5/14/2008 4:11 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**2.5**	µg/Kg-dry	1	5/13/2008 7 27 00 AM	JSA
Ethylbenzene	NELAP	4 2	J	**1.4**	µg/Kg-dry	1	5/13/2008 7 27:00 AM	JSA
Toluene	NELAP	4 2		**4.5**	µg/Kg-dry	1	5/13/2008 7 27:00 AM	JSA
Xylenes, Total	NELAP	4 2	J	**3.2**	µg/Kg-dry	1	5/13/2008 7 27:00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**88.3**	%REC	1	5/13/2008 7.27 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117	S	**77.3**	%REC	1	5/13/2008 7.27.00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**107.2**	%REC	1	5/13/2008 7 27 00 AM	JSA
Surr Toluene-d8		80 1-122		**89.1**	%REC	1	5/13/2008 7:27:00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 57		**< 0.57**	mg/Kg-dry	1	5/13/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-006
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-811 11.0-12.0 ft
Collection Date: 5/5/2008 5:43.00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 57		**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Surrogate recovery was outside QC limits due to matrix interference

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-007
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-843 2 0-3.0 ft
Collection Date: 5/6/2008 9.24:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19.5**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80.5**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**3.16**	mg/Kg-dry	1	5/14/2008 8 06 21 PM	LAL
Chromium	NELAP	1.00		**27.0**	mg/Kg-dry	1	5/14/2008 8 06 21 PM	LAL
Lead	NELAP	4 00		**27.3**	mg/Kg-dry	1	5/16/2008 9 05 23 AM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4.47 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 47 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 47 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 47 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 47 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/14/2008 4 47:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 47:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 47 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4:47:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 47 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4.47.00 PM	TDN
Fluorene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/14/2008 4:47 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4.47 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 47:00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4 47 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 4:47 00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		**43.5**	%REC	1	5/14/2008 4 47:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		**54.9**	%REC	1	5/14/2008 4 47 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**65.9**	%REC	1	5/14/2008 4:47:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.1		**ND**	µg/Kg-dry	1	5/13/2008 7 57 00 AM	JSA
Ethylbenzene	NELAP	5 5		**ND**	µg/Kg-dry	1	5/13/2008 7 57:00 AM	JSA
Toluene	NELAP	5 5		**ND**	µg/Kg-dry	1	5/13/2008 7 57 00 AM	JSA
Xylenes, Total	NELAP	5.5		**ND**	µg/Kg-dry	1	5/13/2008 7:57.00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**89.0**	%REC	1	5/13/2008 7 57 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**103.9**	%REC	1	5/13/2008 7 57.00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**101.9**	%REC	1	5/13/2008 7 57.00 AM	JSA
Surr Toluene-d8		80 1-122		**97.8**	%REC	1	5/13/2008 7:57.00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 60		**< 0.60**	mg/Kg-dry	1	5/13/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-007
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-843 2 0-3.0 ft
Collection Date: 5/6/2008 9:24:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 60		**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-008
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-843 7.0-8.0 ft
Collection Date: 5/6/2008 9:35:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**13.2**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**86.8**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**6.42**	mg/Kg-dry	1	5/14/2008 8 13 28 PM	LAL
Chromium	NELAP	1 00		**14.0**	mg/Kg-dry	1	5/14/2008 8 13 28 PM	LAL
Lead	NELAP	4 00		**9.48**	mg/Kg-dry	1	5/16/2008 9 07 39 AM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 5:22.00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 5 22 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 5 22 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 5.22 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 5 22 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 5.22 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 5:22 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 5 22:00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 5 22 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 5 22 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 5 22:00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 5 22.00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 5:22 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 5:22 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 5 22 00 PM	TDN
Pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/14/2008 5 22:00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**28.5**	%REC	1	5/14/2008 5:22 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**41.3**	%REC	1	5/14/2008 5:22 00 PM	TDN
Surr. p-Terphenyl-d14		30 6-131		**67.9**	%REC	1	5/14/2008 5 22.00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**3.1**	µg/Kg-dry	1	5/13/2008 8 25.00 AM	JSA
Ethylbenzene	NELAP	3 8	J	**2.8**	µg/Kg-dry	1	5/13/2008 8:25:00 AM	JSA
Toluene	NELAP	3 8		**6.1**	µg/Kg-dry	1	5/13/2008 8 25 00 AM	JSA
Xylenes, Total	NELAP	3 8		**4.4**	µg/Kg-dry	1	5/13/2008 8 25 00 AM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		**82.2**	%REC	1	5/13/2008 8 25 00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**98.4**	%REC	1	5/13/2008 8.25 00 AM	JSA
Surr: Dibromofluoromethane		66 6-130		**96.0**	%REC	1	5/13/2008 8 25 00 AM	JSA
Surr Toluene-d8		80 1-122		**100.3**	%REC	1	5/13/2008 8 25.00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0 55		**< 0.55**	mg/Kg-dry	1	5/13/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-008
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-843 7.0-8.0 ft
Collection Date: 5/6/2008 9:35.00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 55		**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-009
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-843 10.0-11.0 ft
Collection Date: 5/6/2008 9:47:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**12.5**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**87.5**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**0.004**	mg/Kg-dry	1	5/14/2008 5:58:00 PM	TDN
Acenaphthylene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/14/2008 5:58:00 PM	TDN
Anthracene	NELAP	0.004		**0.004**	mg/Kg-dry	1	5/14/2008 5:58:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		**0.011**	mg/Kg-dry	1	5/14/2008 5:58:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		**0.008**	mg/Kg-dry	1	5/14/2008 5:58:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**0.011**	mg/Kg-dry	1	5/14/2008 5:58:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**0.005**	mg/Kg-dry	1	5/14/2008 5:58:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004	J	**0.004**	mg/Kg-dry	1	5/14/2008 5:58:00 PM	TDN
Chrysene	NELAP	0.004		**0.008**	mg/Kg-dry	1	5/14/2008 5:58:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/14/2008 5:58:00 PM	TDN
Fluoranthene	NELAP	0.004		**0.021**	mg/Kg-dry	1	5/14/2008 5:58:00 PM	TDN
Fluorene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/14/2008 5:58:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		**0.004**	mg/Kg-dry	1	5/14/2008 5:58:00 PM	TDN
Naphthalene	NELAP	0.004	J	**0.004**	mg/Kg-dry	1	5/14/2008 5:58:00 PM	TDN
Phenanthrene	NELAP	0.004		**0.020**	mg/Kg-dry	1	5/14/2008 5:58:00 PM	TDN
Pyrene	NELAP	0.004		**0.016**	mg/Kg-dry	1	5/14/2008 5:58:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		**34.9**	%REC	1	5/14/2008 5:58:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		**49.3**	%REC	1	5/14/2008 5:58:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		**64.5**	%REC	1	5/14/2008 5:58:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.9		**2.6**	µg/Kg-dry	1	5/13/2008 8:54:00 AM	JSA
Ethylbenzene	NELAP	4.4	J	**1.8**	µg/Kg-dry	1	5/13/2008 8:54:00 AM	JSA
Toluene	NELAP	4.4		**5.9**	µg/Kg-dry	1	5/13/2008 8:54:00 AM	JSA
Xylenes, Total	NELAP	4.4		**4.4**	µg/Kg-dry	1	5/13/2008 8:54:00 AM	JSA
Surr: 1,2-Dichloroethane-d4		61-128		**81.8**	%REC	1	5/13/2008 8:54:00 AM	JSA
Surr: 4-Bromofluorobenzene		78.2-117		**91.1**	%REC	1	5/13/2008 8:54:00 AM	JSA
Surr: Dibromofluoromethane		66.6-130		**98.7**	%REC	1	5/13/2008 8:54:00 AM	JSA
Surr: Toluene-d8		80.1-122		**97.8**	%REC	1	5/13/2008 8:54:00 AM	JSA

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-010
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-844 1.0-2.0 ft
Collection Date: 5/6/2008 12.47.00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**20.8**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**79.2**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 31		**9.60**	mg/Kg-dry	1	5/14/2008 8 20 17 PM	LAL
Chromium	NELAP	0 93		**20.2**	mg/Kg-dry	1	5/14/2008 8 20 17 PM	LAL
Lead	NELAP	3 70		**150**	mg/Kg-dry	1	5/16/2008 9 09 55 AM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 009		**ND**	mg/Kg-dry	2	5/15/2008 8 06 00 PM	TDN
Acenaphthylene	NELAP	0 009		**0.035**	mg/Kg-dry	2	5/15/2008 8.06:00 PM	TDN
Anthracene	NELAP	0 009		**0.026**	mg/Kg-dry	2	5/15/2008 8.06 00 PM	TDN
Benzo(a)anthracene	NELAP	0 009		**0.119**	mg/Kg-dry	2	5/15/2008 8.06.00 PM	TDN
Benzo(a)pyrene	NELAP	0 009		**0.135**	mg/Kg-dry	2	5/15/2008 8:06 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 009		**0.169**	mg/Kg-dry	2	5/15/2008 8:06:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 009		**0.084**	mg/Kg-dry	2	5/15/2008 8.06 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 009		**0.060**	mg/Kg-dry	2	5/15/2008 8 06 00 PM	TDN
Chrysene	NELAP	0 009		**0.144**	mg/Kg-dry	2	5/15/2008 8 06 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 009		**0.023**	mg/Kg-dry	2	5/15/2008 8:06 00 PM	TDN
Fluoranthene	NELAP	0 009		**0.230**	mg/Kg-dry	2	5/15/2008 8:06 00 PM	TDN
Fluorene	NELAP	0 009		**0.012**	mg/Kg-dry	2	5/15/2008 8.06:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 009		**0.077**	mg/Kg-dry	2	5/15/2008 8.06 00 PM	TDN
Naphthalene	NELAP	0 009		**0.011**	mg/Kg-dry	2	5/15/2008 8:06 00 PM	TDN
Phenanthrene	NELAP	0 009		**0.162**	mg/Kg-dry	2	5/15/2008 8:06.00 PM	TDN
Pyrene	NELAP	0 009		**0.232**	mg/Kg-dry	2	5/15/2008 8:06 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**47.1**	%REC	2	5/15/2008 8 06 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**50.3**	%REC	2	5/15/2008 8.06 00 PM	TDN
Surr p-Terphenyl-d14		30.6-131		**56.7**	%REC	2	5/15/2008 8:06 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**ND**	µg/Kg-dry	1	5/13/2008 9:23.00 AM	JSA
Ethylbenzene	NELAP	6 0		**ND**	µg/Kg-dry	1	5/13/2008 9.23.00 AM	JSA
Toluene	NELAP	6.0		**ND**	µg/Kg-dry	1	5/13/2008 9:23.00 AM	JSA
Xylenes, Total	NELAP	6 0		**ND**	µg/Kg-dry	1	5/13/2008 9 23:00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**92.9**	%REC	1	5/13/2008 9:23.00 AM	JSA
Surr 4-Bromofluorobenzene		78 2-117		**96.5**	%REC	1	5/13/2008 9 23 00 AM	JSA
Surr Dibromofluoromethane		66 6-130		**104.9**	%REC	1	5/13/2008 9 23:00 AM	JSA
Surr Toluene-d8		80 1-122		**96.8**	%REC	1	5/13/2008 9 23 00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0.60	J	**0.51**	mg/Kg-dry	1	5/13/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-010
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-844 1 0-2.0 ft
Collection Date: 5/6/2008 12.47:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 60		**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-011
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-844 8.0-9.0 ft
Collection Date: 5/6/2008 1.05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**13.3**	%	1	5/12/2008	TWM
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**86.7**	%	1	5/12/2008	TWM
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**6.35**	mg/Kg-dry	1	5/14/2008 8 39 50 PM	LAL
Chromium	NELAP	1 00		**14.0**	mg/Kg-dry	1	5/14/2008 8:39 50 PM	LAL
Lead	NELAP	4 00		**9.77**	mg/Kg-dry	1	5/16/2008 9:12:12 AM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/14/2008 6:33 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0.014**	mg/Kg-dry	1	5/14/2008 6 33 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 6 33.00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.020**	mg/Kg-dry	1	5/14/2008 6 33 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.028**	mg/Kg-dry	1	5/14/2008 6.33 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**0.024**	mg/Kg-dry	1	5/14/2008 6 33 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.014**	mg/Kg-dry	1	5/14/2008 6 33 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.007**	mg/Kg-dry	1	5/14/2008 6:33 00 PM	TDN
Chrysene	NELAP	0 004		**0.018**	mg/Kg-dry	1	5/14/2008 6.33.00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	5/14/2008 6 33 00 PM	TDN
Fluoranthene	NELAP	0 004		**0.016**	mg/Kg-dry	1	5/14/2008 6 33 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 6:33 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.011**	mg/Kg-dry	1	5/14/2008 6:33 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 6.33 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 6.33 00 PM	TDN
Pyrene	NELAP	0 004		**0.039**	mg/Kg-dry	1	5/14/2008 6 33 00 PM	TDN
Surr. 2-Fluorobiphenyl		10-131		**22 0**	%REC	1	5/14/2008 6.33 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**37.3**	%REC	1	5/14/2008 6:33 00 PM	TDN
Surr: p-Terphenyl-d14		30 6-131		**66.7**	%REC	1	5/14/2008 6:33 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**3.1**	µg/Kg-dry	1	5/13/2008 9:52 00 AM	JSA
Ethylbenzene	NELAP	4 5		**7.9**	µg/Kg-dry	1	5/13/2008 9 52 00 AM	JSA
Toluene	NELAP	4.5		**5.5**	µg/Kg-dry	1	5/13/2008 9 52:00 AM	JSA
Xylenes, Total	NELAP	4 5		**11.1**	µg/Kg-dry	1	5/13/2008 9.52.00 AM	JSA
Surr 1,2-Dichloroethane-d4		61-128		**91.0**	%REC	1	5/13/2008 9.52 00 AM	JSA
Surr: 4-Bromofluorobenzene		78 2-117		**100.1**	%REC	1	5/13/2008 9:52 00 AM	JSA
Surr: Dibromofluoromethane		66 6-130		**100.8**	%REC	1	5/13/2008 9 52 00 AM	JSA
Surr Toluene-d8		80 1-122		**98.6**	%REC	1	5/13/2008 9 52 00 AM	JSA
SW-846 9010B, 9014								
Cyanide	NELAP	0.56		**< 0.56**	mg/Kg-dry	1	5/13/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-011
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-844 8.0-9.0 ft
Collection Date: 5/6/2008 1:05 00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 56		**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-012
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-844 15.0-16.0 ft
Collection Date: 5/6/2008 1.40:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**11.9**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**88.1**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 039		**2.49**	mg/Kg-dry	10	5/15/2008 5:10 00 AM	TDN
Acenaphthylene	NELAP	0 039		**0.684**	mg/Kg-dry	10	5/15/2008 5.10:00 AM	TDN
Anthracene	NELAP	0 039		**1.81**	mg/Kg-dry	10	5/15/2008 5 10 00 AM	TDN
Benzo(a)anthracene	NELAP	0 039		**0.893**	mg/Kg-dry	10	5/15/2008 5:10:00 AM	TDN
Benzo(a)pyrene	NELAP	0 039		**0.847**	mg/Kg-dry	10	5/15/2008 5 10 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 039		**0.662**	mg/Kg-dry	10	5/15/2008 5 10 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 039		**0.325**	mg/Kg-dry	10	5/15/2008 5 10 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 039		**0.195**	mg/Kg-dry	10	5/15/2008 5 10 00 AM	TDN
Chrysene	NELAP	0 039		**0.913**	mg/Kg-dry	10	5/15/2008 5.10 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 039		**0.089**	mg/Kg-dry	10	5/15/2008 5 10 00 AM	TDN
Fluoranthene	NELAP	0 039		**1.88**	mg/Kg-dry	10	5/15/2008 5:10 00 AM	TDN
Fluorene	NELAP	0 039		**1.70**	mg/Kg-dry	10	5/15/2008 5:10:00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 039		**0.266**	mg/Kg-dry	10	5/15/2008 5 10:00 AM	TDN
Naphthalene	NELAP	0 039		**12.7**	mg/Kg-dry	10	5/15/2008 5 10 00 AM	TDN
Phenanthrene	NELAP	0 039		**6.07**	mg/Kg-dry	10	5/15/2008 5 10 00 AM	TDN
Pyrene	NELAP	0 039		**2.71**	mg/Kg-dry	10	5/15/2008 5 10.00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**49.9**	%REC	10	5/15/2008 5 10 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**49.9**	%REC	10	5/15/2008 5 10 00 AM	TDN
Surr p-Terphenyl-d14		30.6-131		**61.9**	%REC	10	5/15/2008 5 10.00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	87 3		**640**	µg/Kg-dry	50	5/14/2008 8:41 00 PM	GEK
Ethylbenzene	NELAP	436		**3070**	µg/Kg-dry	50	5/14/2008 8 41 00 PM	GEK
Toluene	NELAP	436	J	**250**	µg/Kg-dry	50	5/14/2008 8:41 00 PM	GEK
Xylenes, Total	NELAP	436		**4200**	µg/Kg-dry	50	5/14/2008 8 41 00 PM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**95.8**	%REC	50	5/14/2008 8 41 00 PM	GEK
Surr: 4-Bromofluorobenzene		78 2-117		**96.8**	%REC	50	5/14/2008 8.41:00 PM	GEK
Surr Dibromofluoromethane		66 6-130		**103.0**	%REC	50	5/14/2008 8.41 00 PM	GEK
Surr Toluene-d8		80.1-122		**96.5**	%REC	50	5/14/2008 8:41 00 PM	GEK

Sample Narrative
SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-013
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-851 19.0-20.0 ft
Collection Date: 5/9/2008 10:20:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**10.7**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**89.3**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 15.00 PM	TDN
Acenaphthylene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 3 15.00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 15:00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 15 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 15 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 15 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 15:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 15:00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 15 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 15 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 15 00 PM	TDN
Fluorene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 3 15 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3:15.00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 15:00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 15 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3.15 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**25.7**	%REC	1	5/15/2008 3 15:00 PM	TDN
Surr Nitrobenzene-d5		10-132		**41.9**	%REC	1	5/15/2008 3 15 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**57.1**	%REC	1	5/15/2008 3 15 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**1.4**	µg/Kg-dry	1	5/12/2008 11.56 00 PM	GEK
Ethylbenzene	NELAP	3 8		**ND**	µg/Kg-dry	1	5/12/2008 11 56 00 PM	GEK
Toluene	NELAP	3 8	J	**2.1**	µg/Kg-dry	1	5/12/2008 11:56:00 PM	GEK
Xylenes, Total	NELAP	3 8	J	**2.6**	µg/Kg-dry	1	5/12/2008 11.56:00 PM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**106.9**	%REC	1	5/12/2008 11 56.00 PM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**86.2**	%REC	1	5/12/2008 11:56:00 PM	GEK
Surr Dibromofluoromethane		66 6-130		**107.4**	%REC	1	5/12/2008 11 56 00 PM	GEK
Surr. Toluene-d8		80 1-122		**111.8**	%REC	1	5/12/2008 11:56.00 PM	GEK

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-014
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-852 2.0-3.0 ft
Collection Date: 5/9/2008 11:11:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**21.2**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**78.8**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 40		**4.62**	mg/Kg-dry	1	5/14/2008 8.46 38 PM	LAL
Chromium	NELAP	0 96		**23.5**	mg/Kg-dry	1	5/14/2008 8.46 38 PM	LAL
Lead	NELAP	3 85		**51.9**	mg/Kg-dry	1	5/16/2008 9 14 29 AM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5 47 00 AM	TDN
Acenaphthylene	NELAP	0 004		**0.005**	mg/Kg-dry	1	5/15/2008 5.47 00 AM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5 47 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.020**	mg/Kg-dry	1	5/15/2008 5 47 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.023**	mg/Kg-dry	1	5/15/2008 5 47 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.032**	mg/Kg-dry	1	5/15/2008 5 47 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.015**	mg/Kg-dry	1	5/15/2008 5 47 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.011**	mg/Kg-dry	1	5/15/2008 5 47 00 AM	TDN
Chrysene	NELAP	0 004		**0.023**	mg/Kg-dry	1	5/15/2008 5 47.00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0.004**	mg/Kg-dry	1	5/15/2008 5 47 00 AM	TDN
Fluoranthene	NELAP	0 004		**0.036**	mg/Kg-dry	1	5/15/2008 5 47 00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5 47.00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.014**	mg/Kg-dry	1	5/15/2008 5 47 00 AM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5 47 00 AM	TDN
Phenanthrene	NELAP	0.004		**0.016**	mg/Kg-dry	1	5/15/2008 5 47.00 AM	TDN
Pyrene	NELAP	0 004		**0.032**	mg/Kg-dry	1	5/15/2008 5 47 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**37.9**	%REC	1	5/15/2008 5.47 00 AM	TDN
Surr: Nitrobenzene-d5		10-132		**49.7**	%REC	1	5/15/2008 5 47 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**62.1**	%REC	1	5/15/2008 5 47 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.1		**1.2**	µg/Kg-dry	1	5/13/2008 12 25.00 AM	GEK
Ethylbenzene	NELAP	5 6		**ND**	µg/Kg-dry	1	5/13/2008 12 25.00 AM	GEK
Toluene	NELAP	5 6		**ND**	µg/Kg-dry	1	5/13/2008 12 25 00 AM	GEK
Xylenes, Total	NELAP	5 6	J	**1.7**	µg/Kg-dry	1	5/13/2008 12 25 00 AM	GEK
Surr. 1,2-Dichloroethane-d4		61-128		**115.8**	%REC	1	5/13/2008 12 25.00 AM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**96.7**	%REC	1	5/13/2008 12:25 00 AM	GEK
Surr Dibromofluoromethane		66 6-130		**104.6**	%REC	1	5/13/2008 12:25 00 AM	GEK
Surr. Toluene-d8		80 1-122		**98.2**	%REC	1	5/13/2008 12 25 00 AM	GEK
SW-846 9010B, 9014								
Cyanide	NELAP	0 63		**< 0.63**	mg/Kg-dry	1	5/13/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-014
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-852 2.0-3.0 ft
Collection Date: 5/9/2008 11:11.00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0.63		**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-015
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-852 9.0-10.0 ft
Collection Date: 5/9/2008 11.25:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**13.2**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**86.8**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 52 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 52 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3:52 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3.52.00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 3.52 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 52 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 52 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3:52 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 52 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 52:00 PM	TDN
Fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 3 52 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 52 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3.52 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3.52.00 PM	TDN
Phenanthrene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 3:52:00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 3 52 00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		**23.0**	%REC	1	5/15/2008 3:52 00 PM	TDN
Surr: Nitrobenzene-d5		10-132		**34.7**	%REC	1	5/15/2008 3 52 00 PM	TDN
Surr: p-Terphenyl-d14		30 6-131		**65.1**	%REC	1	5/15/2008 3 52 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**2.5**	µg/Kg-dry	1	5/13/2008 12 53:00 AM	GEK
Ethylbenzene	NELAP	4 2	J	**1.6**	µg/Kg-dry	1	5/13/2008 12 53.00 AM	GEK
Toluene	NELAP	4 2		**5.0**	µg/Kg-dry	1	5/13/2008 12 53:00 AM	GEK
Xylenes, Total	NELAP	4 2	J	**4.0**	µg/Kg-dry	1	5/13/2008 12:53 00 AM	GEK
Surr: 1,2-Dichloroethane-d4		61-128		**110.6**	%REC	1	5/13/2008 12 53.00 AM	GEK
Surr: 4-Bromofluorobenzene		78 2-117		**101.1**	%REC	1	5/13/2008 12 53 00 AM	GEK
Surr: Dibromofluoromethane		66 6-130		**108.5**	%REC	1	5/13/2008 12:53.00 AM	GEK
Surr: Toluene-d8		80 1-122		**98.3**	%REC	1	5/13/2008 12:53 00 AM	GEK
SW-846 9045C								
pH (1 1)	NELAP	1 00		**8.15**		1	5/13/2008 1.27:00 PM	KNL

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-016
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-852 23.0-24.0 ft
Collection Date: 5/9/2008 11:42.00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**11.1**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**88.9**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 4 28 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 4 28:00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 4.28.00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 4 28:00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 4.28 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 4 28.00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 4.28 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 4 28 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 4 28 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 4.28 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 4 28 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 4 28:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 4 28.00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 4.28 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 4.28 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 4.28:00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**24.4**	%REC	1	5/15/2008 4.28 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**38.9**	%REC	1	5/15/2008 4.28 00 PM	TDN
Surr. p-Terphenyl-d14		30.6-131		**56.9**	%REC	1	5/15/2008 4 28 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**1.6**	µg/Kg-dry	1	5/13/2008 1 22 00 AM	GEK
Ethylbenzene	NELAP	4 4		**ND**	µg/Kg-dry	1	5/13/2008 1 22 00 AM	GEK
Toluene	NELAP	4 4	J	**2.5**	µg/Kg-dry	1	5/13/2008 1.22 00 AM	GEK
Xylenes, Total	NELAP	4 4	J	**1.8**	µg/Kg-dry	1	5/13/2008 1 22:00 AM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**113.7**	%REC	1	5/13/2008 1 22 00 AM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**83.9**	%REC	1	5/13/2008 1 22 00 AM	GEK
Surr Dibromofluoromethane		66 6-130		**111.2**	%REC	1	5/13/2008 1 22 00 AM	GEK
Surr Toluene-d8		80 1-122		**110.2**	%REC	1	5/13/2008 1.22.00 AM	GEK

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-017
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-845 6.0-7.0 ft
Collection Date: 5/6/2008 2.45:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19.3**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80.7**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 40		**6.44**	mg/Kg-dry	1	5/14/2008 9.06.55 PM	LAL
Chromium	NELAP	0 96		**13.6**	mg/Kg-dry	1	5/14/2008 9 06 55 PM	LAL
Lead	NELAP	3 85		**9.36**	mg/Kg-dry	1	5/16/2008 9:21.21 AM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5:04 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5:04 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5:04 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5 04 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5.04.00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5:04:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 5:04 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5:04 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5:04 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5 04 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5 04 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5:04:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5 04:00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5 04 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.004**	mg/Kg-dry	1	5/15/2008 5 04.00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 5.04 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**25.9**	%REC	1	5/15/2008 5:04 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**34.5**	%REC	1	5/15/2008 5 04 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**60.3**	%REC	1	5/15/2008 5 04:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**2.5**	µg/Kg-dry	1	5/13/2008 1.51.00 AM	GEK
Ethylbenzene	NELAP	4 7	J	**2.2**	µg/Kg-dry	1	5/13/2008 1:51:00 AM	GEK
Toluene	NELAP	4 7		**7.2**	µg/Kg-dry	1	5/13/2008 1.51:00 AM	GEK
Xylenes, Total	NELAP	4 7		**4.8**	µg/Kg-dry	1	5/13/2008 1 51.00 AM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**113.5**	%REC	1	5/13/2008 1:51 00 AM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**99.0**	%REC	1	5/13/2008 1 51 00 AM	GEK
Surr Dibromofluoromethane		66 6-130		**108.5**	%REC	1	5/13/2008 1 51 00 AM	GEK
Surr Toluene-d8		80 1-122		**97.7**	%REC	1	5/13/2008 1 51 00 AM	GEK
SW-846 9010B, 9014								
Cyanide	NELAP	0 60	J	**0.20**	mg/Kg-dry	1	5/13/2008	AET

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

NVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-017
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-845 6.0-7.0 ft
Collection Date: 5/6/2008 2 45:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 60		**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-018
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-845 13 0-14.0 ft
Collection Date: 5/6/2008 3:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**13.8**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**86.2**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 5:40:00 PM	TDN
Acenaphthylene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 5:40:00 PM	TDN
Anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 5:40:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 5:40:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 5:40:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 5:40:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 5:40:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 5:40:00 PM	TDN
Chrysene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 5:40:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 5:40:00 PM	TDN
Fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 5:40:00 PM	TDN
Fluorene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 5:40:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 5:40:00 PM	TDN
Naphthalene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 5:40:00 PM	TDN
Phenanthrene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 5:40:00 PM	TDN
Pyrene	NELAP	0.004		**0.004**	mg/Kg-dry	1	5/15/2008 5:40:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		**23.8**	%REC	1	5/15/2008 5:40:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		**34.5**	%REC	1	5/15/2008 5:40:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		**58.5**	%REC	1	5/15/2008 5:40:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		**2.3**	µg/Kg-dry	1	5/13/2008 2:20:00 AM	GEK
Ethylbenzene	NELAP	4.0	J	**1.4**	µg/Kg-dry	1	5/13/2008 2:20:00 AM	GEK
Toluene	NELAP	4.0		**4.7**	µg/Kg-dry	1	5/13/2008 2:20:00 AM	GEK
Xylenes, Total	NELAP	4.0	J	**3.5**	µg/Kg-dry	1	5/13/2008 2:20:00 AM	GEK
Surr: 1,2-Dichloroethane-d4		61-128		**117.4**	%REC	1	5/13/2008 2:20:00 AM	GEK
Surr: 4-Bromofluorobenzene		78.2-117		**93.3**	%REC	1	5/13/2008 2:20:00 AM	GEK
Surr: Dibromofluoromethane		66.6-130		**107.2**	%REC	1	5/13/2008 2:20:00 AM	GEK
Surr: Toluene-d8		80.1-122		**102.2**	%REC	1	5/13/2008 2:20:00 AM	GEK

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-019
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-846 8.5-9.5 ft
Collection Date: 5/7/2008 8:55.00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**24.2**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**75.8**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 023		**1.87**	mg/Kg-dry	5	5/15/2008 6 24 00 AM	TDN
Acenaphthylene	NELAP	0 023		**0.312**	mg/Kg-dry	5	5/15/2008 6 24 00 AM	TDN
Anthracene	NELAP	0 023		**0.928**	mg/Kg-dry	5	5/15/2008 6 24 00 AM	TDN
Benzo(a)anthracene	NELAP	0 023		**0.523**	mg/Kg-dry	5	5/15/2008 6:24.00 AM	TDN
Benzo(a)pyrene	NELAP	0 023		**0.469**	mg/Kg-dry	5	5/15/2008 6.24 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 023		**0.356**	mg/Kg-dry	5	5/15/2008 6 24.00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 023		**0.173**	mg/Kg-dry	5	5/15/2008 6 24 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 023		**0.109**	mg/Kg-dry	5	5/15/2008 6 24 00 AM	TDN
Chrysene	NELAP	0 023		**0.518**	mg/Kg-dry	5	5/15/2008 6.24.00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 023		**0.049**	mg/Kg-dry	5	5/15/2008 6 24.00 AM	TDN
Fluoranthene	NELAP	0 023		**1.08**	mg/Kg-dry	5	5/15/2008 6 24 00 AM	TDN
Fluorene	NELAP	0 023		**0.941**	mg/Kg-dry	5	5/15/2008 6 24 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 023		**0.142**	mg/Kg-dry	5	5/15/2008 6 24 00 AM	TDN
Naphthalene	NELAP	0 023		**5.44**	mg/Kg-dry	5	5/15/2008 6 24 00 AM	TDN
Phenanthrene	NELAP	0 023		**2.78**	mg/Kg-dry	5	5/15/2008 6.24 00 AM	TDN
Pyrene	NELAP	0 023		**1.61**	mg/Kg-dry	5	5/15/2008 6 24 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**27.9**	%REC	5	5/15/2008 6 24 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**31.9**	%REC	5	5/15/2008 6 24 00 AM	TDN
Surr. p-Terphenyl-d14		30 6-131		**63.9**	%REC	5	5/15/2008 6 24 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	130		**438**	µg/Kg-dry	50	5/14/2008 7.44 00 PM	GEK
Ethylbenzene	NELAP	648		**10100**	µg/Kg-dry	50	5/14/2008 7.44 00 PM	GEK
Toluene	NELAP	648		**ND**	µg/Kg-dry	50	5/14/2008 7 44 00 PM	GEK
Xylenes, Total	NELAP	648		**8820**	µg/Kg-dry	50	5/14/2008 7 44 00 PM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**94.8**	%REC	50	5/14/2008 7 44 00 PM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**98.3**	%REC	50	5/14/2008 7 44.00 PM	GEK
Surr Dibromofluoromethane		66 6-130		**104.4**	%REC	50	5/14/2008 7 44 00 PM	GEK
Surr. Toluene-d8		80 1-122		**96.1**	%REC	50	5/14/2008 7 44 00 PM	GEK

Sample Narrative
SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-020
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-846 10.0-11.0 ft
Collection Date: 5/7/2008 9:30.00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**20.0**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80.0**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 041		**4.19**	mg/Kg-dry	10	5/15/2008 7:01:00 AM	TDN
Acenaphthylene	NELAP	0 041		**0.808**	mg/Kg-dry	10	5/15/2008 7:01 00 AM	TDN
Anthracene	NELAP	0 041		**2.10**	mg/Kg-dry	10	5/15/2008 7:01:00 AM	TDN
Benzo(a)anthracene	NELAP	0 041		**1.30**	mg/Kg-dry	10	5/15/2008 7:01 00 AM	TDN
Benzo(a)pyrene	NELAP	0 041		**1.28**	mg/Kg-dry	10	5/15/2008 7:01 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 041		**0.979**	mg/Kg-dry	10	5/15/2008 7 01:00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 041		**0.471**	mg/Kg-dry	10	5/15/2008 7 01 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 041		**0.290**	mg/Kg-dry	10	5/15/2008 7:01:00 AM	TDN
Chrysene	NELAP	0 041		**1.32**	mg/Kg-dry	10	5/15/2008 7 01 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 041		**0.133**	mg/Kg-dry	10	5/15/2008 7.01:00 AM	TDN
Fluoranthene	NELAP	0 041		**2.47**	mg/Kg-dry	10	5/15/2008 7:01.00 AM	TDN
Fluorene	NELAP	0 041		**1.91**	mg/Kg-dry	10	5/15/2008 7.01:00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 041		**0.381**	mg/Kg-dry	10	5/15/2008 7 01 00 AM	TDN
Naphthalene	NELAP	0 041		**12.4**	mg/Kg-dry	10	5/15/2008 7.01 00 AM	TDN
Phenanthrene	NELAP	0 041		**6.29**	mg/Kg-dry	10	5/15/2008 7 01:00 AM	TDN
Pyrene	NELAP	0 041		**3.94**	mg/Kg-dry	10	5/15/2008 7.01 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**18.0**	%REC	10	5/15/2008 7:01:00 AM	TDN
Surr. Nitrobenzene-d5		10-132		**22.0**	%REC	10	5/15/2008 7 01:00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**57.9**	%REC	10	5/15/2008 7 01 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	65 2		**205**	µg/Kg-dry	25	5/14/2008 6:46:00 PM	GEK
Ethylbenzene	NELAP	326		**3420**	µg/Kg-dry	25	5/14/2008 6 46.00 PM	GEK
Toluene	NELAP	326	J	**84**	µg/Kg-dry	25	5/14/2008 6 46 00 PM	GEK
Xylenes, Total	NELAP	326		**2900**	µg/Kg-dry	25	5/14/2008 6:46.00 PM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**102.2**	%REC	25	5/14/2008 6:46.00 PM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**101.3**	%REC	25	5/14/2008 6:46 00 PM	GEK
Surr Dibromofluoromethane		66 6-130		**113.7**	%REC	25	5/14/2008 6 46.00 PM	GEK
Surr Toluene-d8		80 1-122		**98.2**	%REC	25	5/14/2008 6 46.00 PM	GEK

Sample Narrative
SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-021
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-846 20.0-21.0 ft
Collection Date: 5/7/2008 9.54:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**9.7**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**90.3**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**0.004**	mg/Kg-dry	1	5/14/2008 7:09 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 7:09 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 7 09 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 7 09.00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 7:09 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/14/2008 7 09 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 7 09.00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 7 09 00 PM	TDN
Chrysene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/14/2008 7:09 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 7:09 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 7 09 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 7.09 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 7 09 00 PM	TDN
Naphthalene	NELAP	0 004		**0.013**	mg/Kg-dry	1	5/14/2008 7:09 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.009**	mg/Kg-dry	1	5/14/2008 7:09.00 PM	TDN
Pyrene	NELAP	0 004		**0.005**	mg/Kg-dry	1	5/14/2008 7 09 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**50.3**	%REC	1	5/14/2008 7.09 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**54.7**	%REC	1	5/14/2008 7:09 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**63.7**	%REC	1	5/14/2008 7 09 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	19 7		**3160**	µg/Kg-dry	12 5	5/13/2008 6:28:00 PM	GEK
Ethylbenzene	NELAP	98 3		**ND**	µg/Kg-dry	12 5	5/13/2008 6.28 00 PM	GEK
Toluene	NELAP	98 3		**ND**	µg/Kg-dry	12 5	5/13/2008 6.28 00 PM	GEK
Xylenes, Total	NELAP	98 3		**ND**	µg/Kg-dry	12 5	5/13/2008 6:28.00 PM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**99.8**	%REC	12 5	5/13/2008 6 28:00 PM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**96.1**	%REC	12 5	5/13/2008 6.28 00 PM	GEK
Surr Dibromofluoromethane		66 6-130		**104.2**	%REC	12 5	5/13/2008 6 28 00 PM	GEK
Surr Toluene-d8		80 1-122		**100.6**	%REC	12 5	5/13/2008 6.28 00 PM	GEK

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-022
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-803 2.0-3 0 ft
Collection Date: 5/7/2008 10:07:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19.9**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80.1**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 27		**5.49**	mg/Kg-dry	1	5/14/2008 9 13.44 PM	LAL
Chromium	NELAP	0 91		**21.2**	mg/Kg-dry	1	5/14/2008 9 13:44 PM	LAL
Lead	NELAP	3 64		**145**	mg/Kg-dry	1	5/16/2008 9 23 38 AM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0.008**	mg/Kg-dry	1	5/15/2008 7.39:00 AM	TDN
Acenaphthylene	NELAP	0 004		**0.023**	mg/Kg-dry	1	5/15/2008 7 39 00 AM	TDN
Anthracene	NELAP	0 004		**0.023**	mg/Kg-dry	1	5/15/2008 7:39 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.086**	mg/Kg-dry	1	5/15/2008 7:39 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.105**	mg/Kg-dry	1	5/15/2008 7 39.00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**0.131**	mg/Kg-dry	1	5/15/2008 7:39 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.066**	mg/Kg-dry	1	5/15/2008 7 39 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**0.045**	mg/Kg-dry	1	5/15/2008 7:39 00 AM	TDN
Chrysene	NELAP	0 004		**0.096**	mg/Kg-dry	1	5/15/2008 7.39 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0.017**	mg/Kg-dry	1	5/15/2008 7 39.00 AM	TDN
Fluoranthene	NELAP	0 004		**0.173**	mg/Kg-dry	1	5/15/2008 7:39:00 AM	TDN
Fluorene	NELAP	0 004		**0.007**	mg/Kg-dry	1	5/15/2008 7:39:00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.059**	mg/Kg-dry	1	5/15/2008 7 39 00 AM	TDN
Naphthalene	NELAP	0 004		**0.034**	mg/Kg-dry	1	5/15/2008 7 39 00 AM	TDN
Phenanthrene	NELAP	0 004		**0.105**	mg/Kg-dry	1	5/15/2008 7 39 00 AM	TDN
Pyrene	NELAP	0 004		**0.171**	mg/Kg-dry	1	5/15/2008 7 39 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**61.7**	%REC	1	5/15/2008 7.39 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**59.9**	%REC	1	5/15/2008 7.39:00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**64.3**	%REC	1	5/15/2008 7:39 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 2		**1.9**	µg/Kg-dry	1	5/13/2008 7 54 00 PM	GEK
Ethylbenzene	NELAP	5 8		**6.9**	µg/Kg-dry	1	5/13/2008 7:54:00 PM	GEK
Toluene	NELAP	5 8	J	**3.9**	µg/Kg-dry	1	5/13/2008 7:54:00 PM	GEK
Xylenes, Total	NELAP	5.8		**10.7**	µg/Kg-dry	1	5/13/2008 7:54:00 PM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**119.2**	%REC	1	5/13/2008 7:54:00 PM	GEK
Surr 4-Bromofluorobenzene		78 2-117	S	**75.0**	%REC	1	5/13/2008 7:54.00 PM	GEK
Surr Dibromofluoromethane		66 6-130		**113.6**	%REC	1	5/13/2008 7:54 00 PM	GEK
Surr Toluene-d8		80 1-122		**121.7**	%REC	1	5/13/2008 7 54 00 PM	GEK
SW-846 9010B, 9014								
Cyanide	NELAP	0 57	J	**0 37**	mg/Kg-dry	1	5/13/2008	AET

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-022
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-803 2 0-3 0 ft
Collection Date: 5/7/2008 10 07 00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 57		**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2
SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Surrogate recovery was outside QC limits due to matrix interference

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-023
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-803 9 0-10.0 ft
Collection Date: 5/7/2008 10:20.00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**22.0**	%	1	5/12/2008	TWM
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**78.0**	%	1	5/12/2008	TWM
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50	J	**2.0**	mg/Kg-dry	1	5/14/2008 9.20 31 PM	LAL
Chromium	NELAP	1 00		**27.0**	mg/Kg-dry	1	5/14/2008 9 20.31 PM	LAL
Lead	NELAP	4 00		**14.2**	mg/Kg-dry	1	5/16/2008 9 25.56 AM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**0.026**	mg/Kg-dry	1	5/14/2008 8 56 00 PM	TDN
Acenaphthylene	NELAP	0 004		**0.008**	mg/Kg-dry	1	5/14/2008 8 56:00 PM	TDN
Anthracene	NELAP	0 004		**0.018**	mg/Kg-dry	1	5/14/2008 8.56:00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.015**	mg/Kg-dry	1	5/14/2008 8 56:00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.012**	mg/Kg-dry	1	5/14/2008 8:56:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**0.010**	mg/Kg-dry	1	5/14/2008 8 56.00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.005**	mg/Kg-dry	1	5/14/2008 8 56 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 8 56 00 PM	TDN
Chrysene	NELAP	0 004		**0.014**	mg/Kg-dry	1	5/14/2008 8 56:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 8 56 00 PM	TDN
Fluoranthene	NELAP	0 004		**0.025**	mg/Kg-dry	1	5/14/2008 8 56 00 PM	TDN
Fluorene	NELAP	0 004		**0.015**	mg/Kg-dry	1	5/14/2008 8 56 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	5/14/2008 8:56:00 PM	TDN
Naphthalene	NELAP	0 004		**0.062**	mg/Kg-dry	1	5/14/2008 8 56:00 PM	TDN
Phenanthrene	NELAP	0.004		**0.063**	mg/Kg-dry	1	5/14/2008 8 56 00 PM	TDN
Pyrene	NELAP	0 004		**0.037**	mg/Kg-dry	1	5/14/2008 8 56 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**52.1**	%REC	1	5/14/2008 8 56 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**57.7**	%REC	1	5/14/2008 8.56 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**64.1**	%REC	1	5/14/2008 8 56 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 0	J	**0.8**	µg/Kg-dry	1	5/13/2008 7:26:00 PM	GEK
Ethylbenzene	NELAP	5 2		**ND**	µg/Kg-dry	1	5/13/2008 7.26 00 PM	GEK
Toluene	NELAP	5 2		**ND**	µg/Kg-dry	1	5/13/2008 7 26:00 PM	GEK
Xylenes, Total	NELAP	5 2		**ND**	µg/Kg-dry	1	5/13/2008 7 26.00 PM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**111.9**	%REC	1	5/13/2008 7 26 00 PM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**94.5**	%REC	1	5/13/2008 7 26 00 PM	GEK
Surr Dibromofluoromethane		66 6-130		**103.3**	%REC	1	5/13/2008 7:26 00 PM	GEK
Surr Toluene-d8		80 1-122		**98.1**	%REC	1	5/13/2008 7 26 00 PM	GEK
SW-846 9010B, 9014								
Cyanide	NELAP	0 61		**< 0.61**	mg/Kg-dry	1	5/13/2008	AET

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-023
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-803 9 0-10.0 ft
Collection Date: 5/7/2008 10.20·00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 61		**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-024
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-803 21.0-22.0 ft
Collection Date: 5/7/2008 10:41:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**12.8**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**87.2**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 31		**5.41**	mg/Kg-dry	1	5/14/2008 9 27 19 PM	LAL
Chromium	NELAP	0 93		**14.2**	mg/Kg-dry	1	5/14/2008 9 27 19 PM	LAL
Lead	NELAP	7 41		**8.65**	mg/Kg-dry	2	5/16/2008 11 09 13 AM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 039		**2.96**	mg/Kg-dry	10	5/15/2008 8 14 00 AM	TDN
Acenaphthylene	NELAP	0 039		**3.19**	mg/Kg-dry	10	5/15/2008 8 14 00 AM	TDN
Anthracene	NELAP	0 039		**2.54**	mg/Kg-dry	10	5/15/2008 8 14 00 AM	TDN
Benzo(a)anthracene	NELAP	0 039		**1.33**	mg/Kg-dry	10	5/15/2008 8 14 00 AM	TDN
Benzo(a)pyrene	NELAP	0 039		**1.24**	mg/Kg-dry	10	5/15/2008 8 14 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 039		**0.915**	mg/Kg-dry	10	5/15/2008 8 14 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 039		**0.425**	mg/Kg-dry	10	5/15/2008 8 14 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 039		**0.275**	mg/Kg-dry	10	5/15/2008 8 14 00 AM	TDN
Chrysene	NELAP	0 039		**1.30**	mg/Kg-dry	10	5/15/2008 8 14 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 039		**0.119**	mg/Kg-dry	10	5/15/2008 8 14 00 AM	TDN
Fluoranthene	NELAP	0 039		**2.74**	mg/Kg-dry	10	5/15/2008 8 14 00 AM	TDN
Fluorene	NELAP	0 039		**2.61**	mg/Kg-dry	10	5/15/2008 8 14 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 039		**0.345**	mg/Kg-dry	10	5/15/2008 8 14 00 AM	TDN
Naphthalene	NELAP	0 039		**13.0**	mg/Kg-dry	10	5/15/2008 8 14 00 AM	TDN
Phenanthrene	NELAP	0 039		**8.16**	mg/Kg-dry	10	5/15/2008 8 14 00 AM	TDN
Pyrene	NELAP	0 039		**4.13**	mg/Kg-dry	10	5/15/2008 8 14 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**61.9**	%REC	10	5/15/2008 8 14 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**51.9**	%REC	10	5/15/2008 8 14 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**63.9**	%REC	10	5/15/2008 8.14 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	75 8		**158**	µg/Kg-dry	50	5/14/2008 6 18 00 PM	GEK
Ethylbenzene	NELAP	379		**4560**	µg/Kg-dry	50	5/14/2008 6 18:00 PM	GEK
Toluene	NELAP	379	J	**320**	µg/Kg-dry	50	5/14/2008 6 18 00 PM	GEK
Xylenes, Total	NELAP	379		**3500**	µg/Kg-dry	50	5/14/2008 6 18 00 PM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**96.1**	%REC	50	5/14/2008 6 18 00 PM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**101.5**	%REC	50	5/14/2008 6 18 00 PM	GEK
Surr Dibromofluoromethane		66.6-130		**105.3**	%REC	50	5/14/2008 6 18 00 PM	GEK
Surr. Toluene-d8		80 1-122		**97.2**	%REC	50	5/14/2008 6 18 00 PM	GEK
SW-846 9010B, 9014								
Cyanide	NELAP	0.57		**< 0.57**	mg/Kg-dry	1	5/13/2008	AET

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-024
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-803 21.0-22.0 ft
Collection Date: 5/7/2008 10:41:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0.57		**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-025
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-803 29.0-30.0 ft
Collection Date: 5/7/2008 10:55:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**10.3**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**89.7**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 9 32 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 9 32 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 9 32 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.004**	mg/Kg-dry	1	5/14/2008 9 32 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 9 32 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 9 32 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 9.32 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 9 32 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 9 32 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 9 32 00 PM	TDN
Fluoranthene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	5/14/2008 9 32 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 9 32 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 9 32 00 PM	TDN
Naphthalene	NELAP	0.004		**0.010**	mg/Kg-dry	1	5/14/2008 9 32 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.008**	mg/Kg-dry	1	5/14/2008 9:32 00 PM	TDN
Pyrene	NELAP	0 004		**0.005**	mg/Kg-dry	1	5/14/2008 9.32 00 PM	TDN
Surr. 2-Fluorobiphenyl		10-131		**39.9**	%REC	1	5/14/2008 9 32 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**47.3**	%REC	1	5/14/2008 9 32 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**61.7**	%REC	1	5/14/2008 9 32 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**1.4**	µg/Kg-dry	1	5/13/2008 2 49.00 AM	GEK
Ethylbenzene	NELAP	3.8		**ND**	µg/Kg-dry	1	5/13/2008 2 49 00 AM	GEK
Toluene	NELAP	3 8	J	**2.0**	µg/Kg-dry	1	5/13/2008 2 49 00 AM	GEK
Xylenes, Total	NELAP	3 8	J	**1.3**	µg/Kg-dry	1	5/13/2008 2 49 00 AM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**116.3**	%REC	1	5/13/2008 2 49 00 AM	GEK
Surr. 4-Bromofluorobenzene		78 2-117		**88.7**	%REC	1	5/13/2008 2 49 00 AM	GEK
Surr Dibromofluoromethane		66 6-130		**111.7**	%REC	1	5/13/2008 2 49 00 AM	GEK
Surr Toluene-d8		80 1-122		**108.4**	%REC	1	5/13/2008 2 49 00 AM	GEK

Sample Narrative
SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

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NVIRONMENTAL TESTING LABORATORY

TEL· 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-026
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-849 0 0-1.0 ft
Collection Date: 5/7/2008 11:25:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**20.0**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80.0**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 40	J	**2.0**	mg/Kg-dry	1	5/14/2008 9 34.08 PM	LAL
Chromium	NELAP	0 96		**27.5**	mg/Kg-dry	1	5/14/2008 9 34 08 PM	LAL
Lead	NELAP	38 5		**107**	mg/Kg-dry	10	5/16/2008 11 11 31 AM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 8·50 00 AM	TDN
Acenaphthylene	NELAP	0 004		**0.010**	mg/Kg-dry	1	5/15/2008 8 50 00 AM	TDN
Anthracene	NELAP	0 004		**0.006**	mg/Kg-dry	1	5/15/2008 8:50 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.033**	mg/Kg-dry	1	5/15/2008 8·50 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**0.039**	mg/Kg-dry	1	5/15/2008 8.50.00 AM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**0.058**	mg/Kg-dry	1	5/15/2008 8·50 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**0.025**	mg/Kg-dry	1	5/15/2008 8:50 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**0.020**	mg/Kg-dry	1	5/15/2008 8 50 00 AM	TDN
Chrysene	NELAP	0 004		**0.043**	mg/Kg-dry	1	5/15/2008 8 50 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**0.007**	mg/Kg-dry	1	5/15/2008 8 50 00 AM	TDN
Fluoranthene	NELAP	0 004		**0.062**	mg/Kg-dry	1	5/15/2008 8·50 00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 8 50 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**0.024**	mg/Kg-dry	1	5/15/2008 8.50 00 AM	TDN
Naphthalene	NELAP	0 004		**0.006**	mg/Kg-dry	1	5/15/2008 8 50 00 AM	TDN
Phenanthrene	NELAP	0 004		**0.035**	mg/Kg-dry	1	5/15/2008 8·50 00 AM	TDN
Pyrene	NELAP	0 004		**0.064**	mg/Kg-dry	1	5/15/2008 8·50 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**51.9**	%REC	1	5/15/2008 8 50.00 AM	TDN
Surr. Nitrobenzene-d5		10-132		**56.9**	%REC	1	5/15/2008 8.50.00 AM	TDN
Surr· p-Terphenyl-d14		30.6-131		**62.9**	%REC	1	5/15/2008 8:50 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 1		**1.2**	µg/Kg-dry	1	5/13/2008 3·18 00 AM	GEK
Ethylbenzene	NELAP	5 3		**ND**	µg/Kg-dry	1	5/13/2008 3 18·00 AM	GEK
Toluene	NELAP	5 3	J	**1.1**	µg/Kg-dry	1	5/13/2008 3 18 00 AM	GEK
Xylenes, Total	NELAP	5 3		**ND**	µg/Kg-dry	1	5/13/2008 3 18 00 AM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**117.3**	%REC	1	5/13/2008 3 18 00 AM	GEK
Surr· 4-Bromofluorobenzene		78 2-117		**83.5**	%REC	1	5/13/2008 3:18·00 AM	GEK
Surr Dibromofluoromethane		66 6-130		**113.3**	%REC	1	5/13/2008 3 18 00 AM	GEK
Surr Toluene-d8		80 1-122		**109.7**	%REC	1	5/13/2008 3 18 00 AM	GEK
SW-846 9010B, 9014								
Cyanide	NELAP	0 60	J	**0.52**	mg/Kg-dry	1	5/13/2008	AET

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-026
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-849 0.0-1.0 ft
Collection Date: 5/7/2008 11:25:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0.60		**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

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TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-027
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-849 9.0-10.0 ft
Collection Date: 5/7/2008 11:35:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**14.5**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**85.5**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 50		**5.59**	mg/Kg-dry	1	5/14/2008 9.41 15 PM	LAL
Chromium	NELAP	1 00		**13.3**	mg/Kg-dry	1	5/14/2008 9 41 15 PM	LAL
Lead	NELAP	8 00		**12.4**	mg/Kg-dry	2	5/16/2008 11 13 47 AM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 08 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 08 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10.08 00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/14/2008 10 08 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 08:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 08 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 08 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 08.00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10:08 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10:08 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 08 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10.08 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 08 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 08 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10.08 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 08 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**23.4**	%REC	1	5/14/2008 10.08 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**30.7**	%REC	1	5/14/2008 10 08 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**63.1**	%REC	1	5/14/2008 10.08:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**2.6**	µg/Kg-dry	1	5/13/2008 3 46 00 AM	GEK
Ethylbenzene	NELAP	4 4	J	**2.1**	µg/Kg-dry	1	5/13/2008 3 46 00 AM	GEK
Toluene	NELAP	4 4		**5.7**	µg/Kg-dry	1	5/13/2008 3 46:00 AM	GEK
Xylenes, Total	NELAP	4 4		**4.6**	µg/Kg-dry	1	5/13/2008 3 46 00 AM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**118.7**	%REC	1	5/13/2008 3:46 00 AM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**98.0**	%REC	1	5/13/2008 3 46 00 AM	GEK
Surr Dibromofluoromethane		66 6-130		**109.8**	%REC	1	5/13/2008 3:46 00 AM	GEK
Surr. Toluene-d8		80 1-122		**97.5**	%REC	1	5/13/2008 3:46:00 AM	GEK
SW-846 9010B, 9014								
Cyanide	NELAP	0 56		**< 0.56**	mg/Kg-dry	1	5/13/2008	AET

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-027
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-849 9 0-10 0 ft
Collection Date: 5/7/2008 11:35:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 56		**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-028
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-849 16.0-17.0 ft
Collection Date: 5/7/2008 11:55:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**9.7**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**90.3**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.31		**5.88**	mg/Kg-dry	1	5/14/2008 10:00:49 PM	LAL
Chromium	NELAP	0.93		**12.0**	mg/Kg-dry	1	5/14/2008 10:00.49 PM	LAL
Lead	NELAP	3.70		**6.88**	mg/Kg-dry	1	5/16/2008 11:16:03 AM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.037		**0.665**	mg/Kg-dry	10	5/15/2008 9:27:00 AM	TDN
Acenaphthylene	NELAP	0.037		**1.55**	mg/Kg-dry	10	5/15/2008 9:27:00 AM	TDN
Anthracene	NELAP	0.037		**1.12**	mg/Kg-dry	10	5/15/2008 9:27:00 AM	TDN
Benzo(a)anthracene	NELAP	0.037		**0.670**	mg/Kg-dry	10	5/15/2008 9:27:00 AM	TDN
Benzo(a)pyrene	NELAP	0.037		**0.661**	mg/Kg-dry	10	5/15/2008 9:27:00 AM	TDN
Benzo(b)fluoranthene	NELAP	0.037		**0.520**	mg/Kg-dry	10	5/15/2008 9:27:00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0.037		**0.227**	mg/Kg-dry	10	5/15/2008 9:27:00 AM	TDN
Benzo(k)fluoranthene	NELAP	0.037		**0.161**	mg/Kg-dry	10	5/15/2008 9:27:00 AM	TDN
Chrysene	NELAP	0.037		**0.661**	mg/Kg-dry	10	5/15/2008 9:27:00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0.037		**0.065**	mg/Kg-dry	10	5/15/2008 9:27:00 AM	TDN
Fluoranthene	NELAP	0.037		**1.21**	mg/Kg-dry	10	5/15/2008 9:27:00 AM	TDN
Fluorene	NELAP	0.037		**1.07**	mg/Kg-dry	10	5/15/2008 9:27:00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.037		**0.187**	mg/Kg-dry	10	5/15/2008 9:27:00 AM	TDN
Naphthalene	NELAP	0.037		**5.37**	mg/Kg-dry	10	5/15/2008 9:27:00 AM	TDN
Phenanthrene	NELAP	0.037		**3.54**	mg/Kg-dry	10	5/15/2008 9:27:00 AM	TDN
Pyrene	NELAP	0.037		**1.84**	mg/Kg-dry	10	5/15/2008 9:27:00 AM	TDN
Surr: 2-Fluorobiphenyl		10-131		**53.9**	%REC	10	5/15/2008 9:27:00 AM	TDN
Surr: Nitrobenzene-d5		10-132		**53.9**	%REC	10	5/15/2008 9:27:00 AM	TDN
Surr: p-Terphenyl-d14		30.6-131		**65.9**	%REC	10	5/15/2008 9:27:00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	179		**1210**	µg/Kg-dry	100	5/14/2008 5:49:00 PM	GEK
Ethylbenzene	NELAP	896		**6240**	µg/Kg-dry	100	5/14/2008 5:49:00 PM	GEK
Toluene	NELAP	896	J	**890**	µg/Kg-dry	100	5/14/2008 5:49.00 PM	GEK
Xylenes, Total	NELAP	896		**5640**	µg/Kg-dry	100	5/14/2008 5:49:00 PM	GEK
Surr: 1,2-Dichloroethane-d4		61-128		**101.0**	%REC	100	5/14/2008 5:49.00 PM	GEK
Surr: 4-Bromofluorobenzene		78.2-117		**100.4**	%REC	100	5/14/2008 5:49:00 PM	GEK
Surr: Dibromofluoromethane		66.6-130		**103.7**	%REC	100	5/14/2008 5:49:00 PM	GEK
Surr: Toluene-d8		80.1-122		**95.9**	%REC	100	5/14/2008 5:49:00 PM	GEK
SW-846 9010B, 9014								
Cyanide	NELAP	0.54		**< 0.54**	mg/Kg-dry	1	5/13/2008	AET

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-028
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-849 16.0-17.0 ft
Collection Date: 5/7/2008 11:55 00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 54		**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Elevated reporting limit due to high levels of target and/or non-target analytes.

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-029
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-848 2.0-3.0 ft
Collection Date: 5/7/2008 3.45:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**20.1**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**79.9**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.008		**ND**	mg/Kg-dry	2	5/15/2008 10 04 00 AM	TDN
Acenaphthylene	NELAP	0 008		**0.024**	mg/Kg-dry	2	5/15/2008 10 04 00 AM	TDN
Anthracene	NELAP	0.008		**0.011**	mg/Kg-dry	2	5/15/2008 10 04 00 AM	TDN
Benzo(a)anthracene	NELAP	0 008		**0.067**	mg/Kg-dry	2	5/15/2008 10.04 00 AM	TDN
Benzo(a)pyrene	NELAP	0 008		**0.089**	mg/Kg-dry	2	5/15/2008 10 04 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0.008		**0.103**	mg/Kg-dry	2	5/15/2008 10.04 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 008		**0.050**	mg/Kg-dry	2	5/15/2008 10 04 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 008		**0.032**	mg/Kg-dry	2	5/15/2008 10 04 00 AM	TDN
Chrysene	NELAP	0.008		**0.075**	mg/Kg-dry	2	5/15/2008 10 04 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 008		**0.013**	mg/Kg-dry	2	5/15/2008 10 04 00 AM	TDN
Fluoranthene	NELAP	0 008		**0.091**	mg/Kg-dry	2	5/15/2008 10 04 00 AM	TDN
Fluorene	NELAP	0 008		**ND**	mg/Kg-dry	2	5/15/2008 10 04 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 008		**0.042**	mg/Kg-dry	2	5/15/2008 10 04.00 AM	TDN
Naphthalene	NELAP	0 008		**0.014**	mg/Kg-dry	2	5/15/2008 10 04 00 AM	TDN
Phenanthrene	NELAP	0 008		**0.053**	mg/Kg-dry	2	5/15/2008 10 04 00 AM	TDN
Pyrene	NELAP	0 008		**0.111**	mg/Kg-dry	2	5/15/2008 10:04 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**39.5**	%REC	2	5/15/2008 10 04.00 AM	TDN
Surr. Nitrobenzene-d5		10-132		**47.5**	%REC	2	5/15/2008 10:04 00 AM	TDN
Surr p-Terphenyl-d14		30 6-131		**57.1**	%REC	2	5/15/2008 10:04 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 1		**1.3**	µg/Kg-dry	1	5/13/2008 4 15 00 AM	GEK
Ethylbenzene	NELAP	5 7		**ND**	µg/Kg-dry	1	5/13/2008 4.15 00 AM	GEK
Toluene	NELAP	5 7		**ND**	µg/Kg-dry	1	5/13/2008 4:15 00 AM	GEK
Xylenes, Total	NELAP	5 7		**ND**	µg/Kg-dry	1	5/13/2008 4 15 00 AM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**118.6**	%REC	1	5/13/2008 4 15 00 AM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**88.6**	%REC	1	5/13/2008 4 15 00 AM	GEK
Surr Dibromofluoromethane		66.6-130		**110.9**	%REC	1	5/13/2008 4.15 00 AM	GEK
Surr Toluene-d8		80 1-122		**106.0**	%REC	1	5/13/2008 4:15:00 AM	GEK

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1.2

Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-030
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-848 9.0-10.0 ft
Collection Date: 5/7/2008 3:55:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**24.2**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**75.8**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 46 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10.46 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 46 00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/14/2008 10 46 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 46 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 46 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 46 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 46 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 46:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10:46:00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 46 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 46 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 46 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 46 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 10 46 00 PM	TDN
Pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/14/2008 10 46 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**42.3**	%REC	1	5/14/2008 10 46 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**45.3**	%REC	1	5/14/2008 10 46.00 PM	TDN
Surr. p-Terphenyl-d14		30 6-131		**67.9**	%REC	1	5/14/2008 10.46 00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 0		**5.8**	µg/Kg-dry	1	5/13/2008 4 44 00 AM	GEK
Ethylbenzene	NELAP	5 1	J	**3.9**	µg/Kg-dry	1	5/13/2008 4 44 00 AM	GEK
Toluene	NELAP	5 1		**11.7**	µg/Kg-dry	1	5/13/2008 4 44 00 AM	GEK
Xylenes, Total	NELAP	5 1		**7.2**	µg/Kg-dry	1	5/13/2008 4 44 00 AM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**116.7**	%REC	1	5/13/2008 4 44:00 AM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**99.5**	%REC	1	5/13/2008 4:44:00 AM	GEK
Surr Dibromofluoromethane		66 6-130		**110.0**	%REC	1	5/13/2008 4:44 00 AM	GEK
Surr. Toluene-d8		80 1-122		**97.9**	%REC	1	5/13/2008 4 44:00 AM	GEK

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-031
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-848 13.0-14.0 ft
Collection Date: 5/7/2008 4:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**21.5**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**78.5**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 23 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 23 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 23.00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11.23 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 23 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 23 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 23 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/14/2008 11 23 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11.23 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 23 00 PM	TDN
Fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 23 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11.23 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11:23 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 23 00 PM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 23 00 PM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/14/2008 11 23 00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**25.7**	%REC	1	5/14/2008 11.23 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**35.7**	%REC	1	5/14/2008 11:23 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**67.3**	%REC	1	5/14/2008 11 23.00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**3.0**	µg/Kg-dry	1	5/13/2008 5 13 00 AM	GEK
Ethylbenzene	NELAP	4 6	J	**1.9**	µg/Kg-dry	1	5/13/2008 5 13 00 AM	GEK
Toluene	NELAP	4 6		**6.0**	µg/Kg-dry	1	5/13/2008 5 13.00 AM	GEK
Xylenes, Total	NELAP	4 6	J	**3.8**	µg/Kg-dry	1	5/13/2008 5:13.00 AM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**114.6**	%REC	1	5/13/2008 5:13.00 AM	GEK
Surr. 4-Bromofluorobenzene		78 2-117		**96.6**	%REC	1	5/13/2008 5 13 00 AM	GEK
Surr Dibromofluoromethane		66.6-130		**111.8**	%REC	1	5/13/2008 5:13 00 AM	GEK
Surr Toluene-d8		80 1-122		**96.1**	%REC	1	5/13/2008 5 13 00 AM	GEK

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-032
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-847 6.0-7 0 ft
Collection Date: 5/7/2008 4:47:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**21.1**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**78.9**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 6 17 00 PM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 6:17 00 PM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 6 17 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	5/15/2008 6 17 00 PM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 6.17 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 6 17:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 6 17 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 6 17 00 PM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 6 17 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 6 17 00 PM	TDN
Fluoranthene	NELAP	0 004		**0.005**	mg/Kg-dry	1	5/15/2008 6:17 00 PM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 6 17 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 6 17 00 PM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 6.17 00 PM	TDN
Phenanthrene	NELAP	0 004		**0.011**	mg/Kg-dry	1	5/15/2008 6 17 00 PM	TDN
Pyrene	NELAP	0.004		**0.006**	mg/Kg-dry	1	5/15/2008 6 17:00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**25.1**	%REC	1	5/15/2008 6 17 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**41.1**	%REC	1	5/15/2008 6 17 00 PM	TDN
Surr p-Terphenyl-d14		30 6-131		**64.1**	%REC	1	5/15/2008 6 17:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 0		**2.7**	µg/Kg-dry	1	5/13/2008 5 42 00 AM	GEK
Ethylbenzene	NELAP	5 2	J	**3.0**	µg/Kg-dry	1	5/13/2008 5 42.00 AM	GEK
Toluene	NELAP	5.2		**6.8**	µg/Kg-dry	1	5/13/2008 5 42:00 AM	GEK
Xylenes, Total	NELAP	5 2		**5.7**	µg/Kg-dry	1	5/13/2008 5 42 00 AM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**119.9**	%REC	1	5/13/2008 5:42.00 AM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**101.9**	%REC	1	5/13/2008 5 42.00 AM	GEK
Surr Dibromofluoromethane		66 6-130		**109.3**	%REC	1	5/13/2008 5.42 00 AM	GEK
Surr Toluene-d8		80 1-122		**97.3**	%REC	1	5/13/2008 5 42:00 AM	GEK

Sample Narrative
SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-033
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-847 22.0-23.0 ft
Collection Date: 5/7/2008 5.18:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**12.4**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**87.6**	%	1	5/12/2008	TWN
SW-846 3550B, 8015B, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID								
Diesel	NELAP	139	SR#	**562**	mg/Kg-dry	25	5/15/2008 4 01 00 PM	DMH
Kerosene	NELAP	139		**ND**	mg/Kg-dry	25	5/15/2008 4 01 00 PM	DMH
Mineral Spirits	NELAP	139		**ND**	mg/Kg-dry	25	5/15/2008 4 01 00 PM	DMH
Motor Oil	NELAP	139		**ND**	mg/Kg-dry	25	5/15/2008 4 01 00 PM	DMH
Surr n-Tetracontane	NELAP	50 6-140	S	**44.7**	%REC	25	5/15/2008 4 01 00 PM	DMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 190		**0.950**	mg/Kg-dry	50	5/15/2008 10 39 00 AM	TDN
Acenaphthylene	NELAP	0 190		**4.73**	mg/Kg-dry	50	5/15/2008 10.39 00 AM	TDN
Anthracene	NELAP	0 190		**2.36**	mg/Kg-dry	50	5/15/2008 10 39 00 AM	TDN
Benzo(a)anthracene	NELAP	0 190		**1.29**	mg/Kg-dry	50	5/15/2008 10 39:00 AM	TDN
Benzo(a)pyrene	NELAP	0 190		**1.15**	mg/Kg-dry	50	5/15/2008 10 39 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 190		**0.905**	mg/Kg-dry	50	5/15/2008 10 39 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 190		**0.356**	mg/Kg-dry	50	5/15/2008 10 39 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 190		**0.258**	mg/Kg-dry	50	5/15/2008 10 39 00 AM	TDN
Chrysene	NELAP	0 190		**1.27**	mg/Kg-dry	50	5/15/2008 10 39 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 190		**ND**	mg/Kg-dry	50	5/15/2008 10 39.00 AM	TDN
Fluoranthene	NELAP	0 190		**2.53**	mg/Kg-dry	50	5/15/2008 10.39.00 AM	TDN
Fluorene	NELAP	0 190		**2.50**	mg/Kg-dry	50	5/15/2008 10 39:00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 190		**0.300**	mg/Kg-dry	50	5/15/2008 10 39 00 AM	TDN
Naphthalene	NELAP	0 190		**13.8**	mg/Kg-dry	50	5/15/2008 10 39:00 AM	TDN
Phenanthrene	NELAP	0 190		**8.04**	mg/Kg-dry	50	5/15/2008 10 39 00 AM	TDN
Pyrene	NELAP	0.190		**3.79**	mg/Kg-dry	50	5/15/2008 10.39:00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**49.9**	%REC	50	5/15/2008 10.39 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**49.9**	%REC	50	5/15/2008 10 39 00 AM	TDN
Surr. p-Terphenyl-d14		30 6-131		**59.9**	%REC	50	5/15/2008 10.39:00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	548		**1440**	µg/Kg-dry	500	5/14/2008 11 32.00 AM	GEK
Ethylbenzene	NELAP	2740		**62800**	µg/Kg-dry	500	5/14/2008 11:32:00 AM	GEK
Toluene	NELAP	2740		**12400**	µg/Kg-dry	500	5/14/2008 11:32 00 AM	GEK
Xylenes, Total	NELAP	2740		**75600**	µg/Kg-dry	500	5/14/2008 11 32:00 AM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**109.7**	%REC	500	5/14/2008 11:32 00 AM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**104.6**	%REC	500	5/14/2008 11.32:00 AM	GEK
Surr Dibromofluoromethane		66.6-130		**105.8**	%REC	500	5/14/2008 11.32:00 AM	GEK
Surr Toluene-d8		80 1-122		**93.6**	%REC	500	5/14/2008 11 32 00 AM	GEK

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-033
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-847 22.0-23.0 ft
Collection Date: 5/7/2008 5.18:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

Elevated reporting limit due to high levels of target and/or non-target analytes

SW-846 3550B, 8015B, Total Petroleum Hydrocarbons (OA-2) by GC/FID

Surrogate recovery was outside QC limits due to matrix interference

Matrix spike and RPD did not recover within control limits because of sample composition

Elevated reporting limit due to high levels of target and/or non-target analytes.

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

NVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-034
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-809 2.0-3.0 ft
Collection Date: 5/8/2008 9:45:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**19.7**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**80.3**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 36		**4.34**	mg/Kg-dry	1	5/14/2008 10 07 39 PM	LAL
Chromium	NELAP	0 94		**7.08**	mg/Kg-dry	1	5/14/2008 10 07 39 PM	LAL
Lead	NELAP	37 7		**48.5**	mg/Kg-dry	10	5/16/2008 11 18 19 AM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 042		**0.153**	mg/Kg-dry	10	5/15/2008 8 41 00 PM	TDN
Acenaphthylene	NELAP	0 042		**0.061**	mg/Kg-dry	10	5/15/2008 8 41 00 PM	TDN
Anthracene	NELAP	0 042		**0.157**	mg/Kg-dry	10	5/15/2008 8 41 00 PM	TDN
Benzo(a)anthracene	NELAP	0 042		**1.11**	mg/Kg-dry	10	5/15/2008 8 41 00 PM	TDN
Benzo(a)pyrene	NELAP	0 042		**2.84**	mg/Kg-dry	10	5/15/2008 8 41 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 042		**2.78**	mg/Kg-dry	10	5/15/2008 8.41 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 042		**2.26**	mg/Kg-dry	10	5/15/2008 8 41 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 042		**0.907**	mg/Kg-dry	10	5/15/2008 8 41 00 PM	TDN
Chrysene	NELAP	0 042		**1.24**	mg/Kg-dry	10	5/15/2008 8 41 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 042		**0.551**	mg/Kg-dry	10	5/15/2008 8 41.00 PM	TDN
Fluoranthene	NELAP	0 042		**1.40**	mg/Kg-dry	10	5/15/2008 8.41 00 PM	TDN
Fluorene	NELAP	0 042		**0.049**	mg/Kg-dry	10	5/15/2008 8 41 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 042		**2.03**	mg/Kg-dry	10	5/15/2008 8.41.00 PM	TDN
Naphthalene	NELAP	0 042		**0.136**	mg/Kg-dry	10	5/15/2008 8 41 00 PM	TDN
Phenanthrene	NELAP	0 042		**0.716**	mg/Kg-dry	10	5/15/2008 8 41 00 PM	TDN
Pyrene	NELAP	0 042		**1.34**	mg/Kg-dry	10	5/15/2008 8:41:00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**45.9**	%REC	10	5/15/2008 8 41 00 PM	TDN
Surr. Nitrobenzene-d5		10-132		**47.9**	%REC	10	5/15/2008 8.41 00 PM	TDN
Surr p-Terphenyl-d14		30.6-131		**53.9**	%REC	10	5/15/2008 8.41:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1 5		**1.6**	µg/Kg-dry	1	5/13/2008 9:50 00 PM	GEK
Ethylbenzene	NELAP	7 5		**ND**	µg/Kg-dry	1	5/13/2008 9 50 00 PM	GEK
Toluene	NELAP	7.5	J	**2.8**	µg/Kg-dry	1	5/13/2008 9 50 00 PM	GEK
Xylenes, Total	NELAP	7 5	J	**6.2**	µg/Kg-dry	1	5/13/2008 9:50 00 PM	GEK
Surr. 1,2-Dichloroethane-d4		61-128	S	**140.0**	%REC	1	5/13/2008 9:50 00 PM	GEK
Surr 4-Bromofluorobenzene		78.2-117	S	**63.5**	%REC	1	5/13/2008 9 50 00 PM	GEK
Surr Dibromofluoromethane		66 6-130	S	**142.3**	%REC	1	5/13/2008 9 50 00 PM	GEK
Surr Toluene-d8		80 1-122	S	**158.5**	%REC	1	5/13/2008 9 50 00 PM	GEK
SW-846 9010B, 9014								
Cyanide	NELAP	0 61		**1.23**	mg/Kg-dry	1	5/13/2008	AET

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-034
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-809 2.0-3.0 ft
Collection Date: 5/8/2008 9:45:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0.61		***Interference***	*mg/Kg-dry*	1	5/14/2008	AET
SW-846 9045C								
pH (1:1)	NELAP	1.00		**7.25**		1	5/13/2008 1:32:00 PM	KNL

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS
Surrogate recovery was outside QC limits due to matrix interference
Results verified by re-analysis

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-035
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-809 9 0-10.0 ft
Collection Date: 5/8/2008 9:58:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**17.7**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**82.3**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 36		**3.08**	mg/Kg-dry	1	5/14/2008 10 14 13 PM	LAL
Chromium	NELAP	0 94		**16.1**	mg/Kg-dry	1	5/14/2008 10 14 13 PM	LAL
Lead	NELAP	7.55		**12.4**	mg/Kg-dry	2	5/16/2008 11.20 35 AM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 12.37 00 AM	TDN
Acenaphthylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 12.37 00 AM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 12 37 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	5/15/2008 12 37 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 12 37 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 12 37 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 12 37 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 12 37 00 AM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 12.37 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 12 37 00 AM	TDN
Fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 12 37.00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 12 37 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 12.37 00 AM	TDN
Naphthalene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 12 37 00 AM	TDN
Phenanthrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 12.37 00 AM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 12.37 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**26.3**	%REC	1	5/15/2008 12 37.00 AM	TDN
Surr Nitrobenzene-d5		10-132		**38.7**	%REC	1	5/15/2008 12 37 00 AM	TDN
Surr p-Terphenyl-d14		30.6-131		**65.3**	%REC	1	5/15/2008 12 37 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 9		**1.6**	µg/Kg-dry	1	5/13/2008 6:39 00 AM	GEK
Ethylbenzene	NELAP	4 3		**ND**	µg/Kg-dry	1	5/13/2008 6 39 00 AM	GEK
Toluene	NELAP	4 3	J	**1.4**	µg/Kg-dry	1	5/13/2008 6 39 00 AM	GEK
Xylenes, Total	NELAP	4.3		**ND**	µg/Kg-dry	1	5/13/2008 6.39 00 AM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**117.9**	%REC	1	5/13/2008 6 39 00 AM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**97.9**	%REC	1	5/13/2008 6 39 00 AM	GEK
Surr. Dibromofluoromethane		66 6-130		**109.2**	%REC	1	5/13/2008 6 39 00 AM	GEK
Surr: Toluene-d8		80 1-122		**96.1**	%REC	1	5/13/2008 6 39 00 AM	GEK
SW-846 9010B, 9014								
Cyanide	NELAP	0 59		**< 0.59**	mg/Kg-dry	1	5/13/2008	AET

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-035
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-809 9.0-10.0 ft
Collection Date: 5/8/2008 9:58:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 59		**Interference**	mg/Kg-dry	1	5/14/2008	AET
SW-846 9045C								
pH (1 1)	NELAP	1 00		**7.22**		1	5/13/2008 1 39 00 PM	KNL

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-036
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-809 15.0-16.0 ft
Collection Date: 5/8/2008 10:15:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**13.3**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**86.7**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.50		**4.69**	mg/Kg-dry	1	5/14/2008 10:21:02 PM	LAL
Chromium	NELAP	1.00		**15.3**	mg/Kg-dry	1	5/14/2008 10:21:02 PM	LAL
Lead	NELAP	4.00		**8.68**	mg/Kg-dry	1	5/16/2008 11:22:52 AM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1:15:00 AM	TDN
Acenaphthylene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1:15:00 AM	TDN
Anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1:15:00 AM	TDN
Benzo(a)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1:15:00 AM	TDN
Benzo(a)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1:15:00 AM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1:15:00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1:15:00 AM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1:15:00 AM	TDN
Chrysene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1:15:00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1:15:00 AM	TDN
Fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1:15:00 AM	TDN
Fluorene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1:15:00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1:15:00 AM	TDN
Naphthalene	NELAP	0.004	J	**0.004**	mg/Kg-dry	1	5/15/2008 1:15:00 AM	TDN
Phenanthrene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1:15:00 AM	TDN
Pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1:15:00 AM	TDN
Surr: 2-Fluorobiphenyl		10-131		**46.5**	%REC	1	5/15/2008 1:15:00 AM	TDN
Surr: Nitrobenzene-d5		10-132		**47.9**	%REC	1	5/15/2008 1:15:00 AM	TDN
Surr: p-Terphenyl-d14		30.6-131		**62.9**	%REC	1	5/15/2008 1:15:00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.9		**1.8**	µg/Kg-dry	1	5/13/2008 7:08:00 AM	GEK
Ethylbenzene	NELAP	4.5		**ND**	µg/Kg-dry	1	5/13/2008 7:08:00 AM	GEK
Toluene	NELAP	4.5	J	**2.9**	µg/Kg-dry	1	5/13/2008 7:08:00 AM	GEK
Xylenes, Total	NELAP	4.5		**ND**	µg/Kg-dry	1	5/13/2008 7:08:00 AM	GEK
Surr: 1,2-Dichloroethane-d4		61-128		**122.8**	%REC	1	5/13/2008 7:08:00 AM	GEK
Surr: 4-Bromofluorobenzene		78.2-117		**88.5**	%REC	1	5/13/2008 7:08:00 AM	GEK
Surr: Dibromofluoromethane		66.6-130		**115.0**	%REC	1	5/13/2008 7:08:00 AM	GEK
Surr: Toluene-d8		80.1-122		**107.5**	%REC	1	5/13/2008 7:08:00 AM	GEK
SW-846 9010B, 9014								
Cyanide	NELAP	0.55		**< 0.55**	mg/Kg-dry	1	5/13/2008	AET

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-036
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-809 15.0-16.0 ft
Collection Date: 5/8/2008 10:15:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		*0 55*		***Interference***	*mg/Kg-dry*	*1*	*5/14/2008*	*AET*

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-037
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-847 29 0-30.0 ft
Collection Date: 5/7/2008 5:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**11.5**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**88.5**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 1.52:00 AM	TDN
Acenaphthylene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1 52 00 AM	TDN
Anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 1 52 00 AM	TDN
Benzo(a)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 1 52 00 AM	TDN
Benzo(a)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 1 52:00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 1 52 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 1 52 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 1 52 00 AM	TDN
Chrysene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 1 52 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 1 52 00 AM	TDN
Fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 1 52 00 AM	TDN
Fluorene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 1.52 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 1 52 00 AM	TDN
Naphthalene	NELAP	0 004		**0.012**	mg/Kg-dry	1	5/15/2008 1 52 00 AM	TDN
Phenanthrene	NELAP	0 004		**0.006**	mg/Kg-dry	1	5/15/2008 1 52 00 AM	TDN
Pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 1 52 00 AM	TDN
Surr 2-Fluorobiphenyl		10-131		**26.1**	%REC	1	5/15/2008 1 52 00 AM	TDN
Surr Nitrobenzene-d5		10-132		**32 3**	%REC	1	5/15/2008 1 52 00 AM	TDN
Surr p-Terphenyl-d14		30.6-131		**61.5**	%REC	1	5/15/2008 1 52 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**1.2**	µg/Kg-dry	1	5/13/2008 7 37 00 AM	GEK
Ethylbenzene	NELAP	3 8		**ND**	µg/Kg-dry	1	5/13/2008 7 37 00 AM	GEK
Toluene	NELAP	3 8	J	**1.8**	µg/Kg-dry	1	5/13/2008 7 37 00 AM	GEK
Xylenes, Total	NELAP	3.8		**ND**	µg/Kg-dry	1	5/13/2008 7 37 00 AM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**121.1**	%REC	1	5/13/2008 7 37 00 AM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**82.3**	%REC	1	5/13/2008 7 37.00 AM	GEK
Surr Dibromofluoromethane		66 6-130		**115.5**	%REC	1	5/13/2008 7:37 00 AM	GEK
Surr Toluene-d8		80 1-122		**113.1**	%REC	1	5/13/2008 7:37 00 AM	GEK

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-038
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-850 8.0-9.0 ft
Collection Date: 5/8/2008 11:30:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		**17.7**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**82.3**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.50	J	**1.9**	mg/Kg-dry	1	5/14/2008 10:27:52 PM	LAL
Chromium	NELAP	1.00		**19.4**	mg/Kg-dry	1	5/14/2008 10:27:52 PM	LAL
Lead	NELAP	8.00		**14.4**	mg/Kg-dry	2	5/16/2008 11:25:09 AM	CRK
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.004		**0.165**	mg/Kg-dry	1	5/15/2008 6:53:00 PM	TDN
Acenaphthylene	NELAP	0.004		**0.026**	mg/Kg-dry	1	5/15/2008 6:53:00 PM	TDN
Anthracene	NELAP	0.004		**0.010**	mg/Kg-dry	1	5/15/2008 6:53:00 PM	TDN
Benzo(a)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 6:53:00 PM	TDN
Benzo(a)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 6:53:00 PM	TDN
Benzo(b)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 6:53:00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 6:53:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 6:53:00 PM	TDN
Chrysene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 6:53:00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 6:53:00 PM	TDN
Fluoranthene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 6:53:00 PM	TDN
Fluorene	NELAP	0.004		**0.033**	mg/Kg-dry	1	5/15/2008 6:53:00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 6:53:00 PM	TDN
Naphthalene	NELAP	0.004		**0.129**	mg/Kg-dry	1	5/15/2008 6:53:00 PM	TDN
Phenanthrene	NELAP	0.004		**0.054**	mg/Kg-dry	1	5/15/2008 6:53:00 PM	TDN
Pyrene	NELAP	0.004		**ND**	mg/Kg-dry	1	5/15/2008 6:53:00 PM	TDN
Surr: 2-Fluorobiphenyl		10-131		**31.7**	%REC	1	5/15/2008 6:53:00 PM	TDN
Surr: Nitrobenzene-d5		10-132		**39.1**	%REC	1	5/15/2008 6:53:00 PM	TDN
Surr: p-Terphenyl-d14		30.6-131		**59.3**	%REC	1	5/15/2008 6:53:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.2		**20.9**	µg/Kg-dry	1	5/13/2008 10:47:00 PM	GEK
Ethylbenzene	NELAP	6.1		**30.3**	µg/Kg-dry	1	5/13/2008 10:47:00 PM	GEK
Toluene	NELAP	6.1	J	**6.0**	µg/Kg-dry	1	5/13/2008 10:47:00 PM	GEK
Xylenes, Total	NELAP	6.1		**58.4**	µg/Kg-dry	1	5/13/2008 10:47:00 PM	GEK
Surr: 1,2-Dichloroethane-d4		61-128		**119.3**	%REC	1	5/13/2008 10:47:00 PM	GEK
Surr: 4-Bromofluorobenzene		78.2-117		**87.5**	%REC	1	5/13/2008 10:47:00 PM	GEK
Surr: Dibromofluoromethane		66.6-130		**106.9**	%REC	1	5/13/2008 10:47:00 PM	GEK
Surr: Toluene-d8		80.1-122		**100.1**	%REC	1	5/13/2008 10:47:00 PM	GEK
SW-846 9010B, 9014								
Cyanide	NELAP	0.59	J	**0.23**	mg/Kg-dry	1	5/13/2008	AET

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-038
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-850 8.0-9.0 ft
Collection Date: 5/8/2008 11:30:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 59		**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

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TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-039
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-850 16.0-17.0 ft
Collection Date: 5/8/2008 12:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**9.1**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**90.9**	%	1	5/12/2008	TWN
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2 36		**6.08**	mg/Kg-dry	1	5/14/2008 10 34 42 PM	LAL
Chromium	NELAP	0 94		**12.4**	mg/Kg-dry	1	5/14/2008 10 34 42 PM	LAL
Lead	NELAP	3 77		**6.67**	mg/Kg-dry	1	5/16/2008 11 27 26 AM	CRK
SW-846 3550B, 8015B, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID								
Diesel	NELAP	554	#	**12500**	mg/Kg-dry	100	5/15/2008 5 55 00 PM	DMH
Kerosene	NELAP	554		**ND**	mg/Kg-dry	100	5/15/2008 5:55 00 PM	DMH
Mineral Spirits	NELAP	554		**ND**	mg/Kg-dry	100	5/15/2008 5 55 00 PM	DMH
Motor Oil	NELAP	554	#	**1660**	mg/Kg-dry	100	5/15/2008 5:55 00 PM	DMH
Surr n-Tetracontane	NELAP	50 6-140	S	**0**	%REC	100	5/15/2008 5 55 00 PM	DMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.745		**65.1**	mg/Kg-dry	100	5/15/2008 11 52 00 AM	TDN
Acenaphthylene	NELAP	0 745		**229**	mg/Kg-dry	100	5/15/2008 11 52:00 AM	TDN
Anthracene	NELAP	0 745		**121**	mg/Kg-dry	100	5/15/2008 11 52 00 AM	TDN
Benzo(a)anthracene	NELAP	0 745		**70.0**	mg/Kg-dry	100	5/15/2008 11 52 00 AM	TDN
Benzo(a)pyrene	NELAP	0 745		**69.3**	mg/Kg-dry	100	5/15/2008 11 52 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 745		**54.5**	mg/Kg-dry	100	5/15/2008 11.52 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 745		**21.8**	mg/Kg-dry	100	5/15/2008 11 52 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 745		**17.7**	mg/Kg-dry	100	5/15/2008 11 52 00 AM	TDN
Chrysene	NELAP	0 745		**69.8**	mg/Kg-dry	100	5/15/2008 11 52 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 745		**6.50**	mg/Kg-dry	100	5/15/2008 11 52 00 AM	TDN
Fluoranthene	NELAP	0 745		**154**	mg/Kg-dry	100	5/15/2008 11:52 00 AM	TDN
Fluorene	NELAP	0 745		**132**	mg/Kg-dry	100	5/15/2008 11 52 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 745		**19.1**	mg/Kg-dry	100	5/15/2008 11:52.00 AM	TDN
Naphthalene	NELAP	3 73		**920**	mg/Kg-dry	500	5/15/2008 9 18.00 PM	TDN
Phenanthrene	NELAP	3 73		**449**	mg/Kg-dry	500	5/15/2008 9 18 00 PM	TDN
Pyrene	NELAP	0 745		**212**	mg/Kg-dry	100	5/15/2008 11:52 00 AM	TDN
Surr. 2-Fluorobiphenyl		10-131		**99.8**	%REC	100	5/15/2008 11:52 00 AM	TDN
Surr: Nitrobenzene-d5		10-132		**39.9**	%REC	100	5/15/2008 11 52:00 AM	TDN
Surr: p-Terphenyl-d14		30 6-131		**79.8**	%REC	100	5/15/2008 11:52 00 AM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2180		**10700**	µg/Kg-dry	1250	5/14/2008 12 30:00 PM	GEK
Ethylbenzene	NELAP	10900		**227000**	µg/Kg-dry	1250	5/14/2008 12 30 00 PM	GEK
Toluene	NELAP	10900		**21500**	µg/Kg-dry	1250	5/14/2008 12 30 00 PM	GEK
Xylenes, Total	NELAP	10900		**258000**	µg/Kg-dry	1250	5/14/2008 12 30 00 PM	GEK

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-039
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-850 16 0-17.0 ft
Collection Date: 5/8/2008 12:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Surr 1,2-Dichloroethane-d4		61-128		**102.7**	%REC	1250	5/14/2008 12 30 00 PM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**98.8**	%REC	1250	5/14/2008 12 30.00 PM	GEK
Surr Dibromofluoromethane		66.6-130		**101.8**	%REC	1250	5/14/2008 12 30 00 PM	GEK
Surr Toluene-d8		80 1-122		**96.3**	%REC	1250	5/14/2008 12 30 00 PM	GEK
SW-846 9010B, 9014								
Cyanide	NELAP	0 55		**< 0.55**	mg/Kg-dry	1	5/13/2008	AET
SW-846 9014A								
Cyanide, Amenable to Chlorination		0 55		**Interference**	mg/Kg-dry	1	5/14/2008	AET

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

SW-846 3550B, 8015B, Total Petroleum Hydrocarbons (OA-2) by GC/FID

Surrogate recovery was outside QC limits due to sample dilution

Elevated reporting limit due to high levels of target and/or non-target analytes

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050415
Lab ID: 08050415-040
Report Date: 16-May-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: B-850 25.0-26.0 ft
Collection Date: 5/8/2008 12:55:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0 1		**9.7**	%	1	5/12/2008	TWN
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0 1		**90.3**	%	1	5/12/2008	TWN
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 7:29.00 PM	TDN
Acenaphthylene	NELAP	0 004		**0.006**	mg/Kg-dry	1	5/15/2008 7 29 00 PM	TDN
Anthracene	NELAP	0.004		**0.005**	mg/Kg-dry	1	5/15/2008 7 29 00 PM	TDN
Benzo(a)anthracene	NELAP	0 004		**0.006**	mg/Kg-dry	1	5/15/2008 7 29:00 PM	TDN
Benzo(a)pyrene	NELAP	0 004	J	**0.004**	mg/Kg-dry	1	5/15/2008 7.29 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 004	J	**0.003**	mg/Kg-dry	1	5/15/2008 7 29 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 7:29:00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 7 29 00 PM	TDN
Chrysene	NELAP	0 004		**0.004**	mg/Kg-dry	1	5/15/2008 7.29 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 7.29:00 PM	TDN
Fluoranthene	NELAP	0 004		**0.007**	mg/Kg-dry	1	5/15/2008 7.29.00 PM	TDN
Fluorene	NELAP	0 004		**0.004**	mg/Kg-dry	1	5/15/2008 7 29 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 004		**ND**	mg/Kg-dry	1	5/15/2008 7 29.00 PM	TDN
Naphthalene	NELAP	0 004		**0.013**	mg/Kg-dry	1	5/15/2008 7 29.00 PM	TDN
Phenanthrene	NELAP	0 004		**0.018**	mg/Kg-dry	1	5/15/2008 7:29:00 PM	TDN
Pyrene	NELAP	0 004		**0.011**	mg/Kg-dry	1	5/15/2008 7:29:00 PM	TDN
Surr 2-Fluorobiphenyl		10-131		**27.1**	%REC	1	5/15/2008 7:29 00 PM	TDN
Surr Nitrobenzene-d5		10-132		**25.5**	%REC	1	5/15/2008 7 29.00 PM	TDN
Surr p-Terphenyl-d14		30.6-131		**60.5**	%REC	1	5/15/2008 7 29:00 PM	TDN
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0 8		**1.7**	µg/Kg-dry	1	5/13/2008 6 57:00 PM	GEK
Ethylbenzene	NELAP	4 2	J	**1.0**	µg/Kg-dry	1	5/13/2008 6:57:00 PM	GEK
Toluene	NELAP	4 2	J	**2.5**	µg/Kg-dry	1	5/13/2008 6:57:00 PM	GEK
Xylenes, Total	NELAP	4.2	J	**3.1**	µg/Kg-dry	1	5/13/2008 6:57:00 PM	GEK
Surr 1,2-Dichloroethane-d4		61-128		**108.6**	%REC	1	5/13/2008 6 57 00 PM	GEK
Surr 4-Bromofluorobenzene		78 2-117		**82.2**	%REC	1	5/13/2008 6:57:00 PM	GEK
Surr Dibromofluoromethane		66.6-130		**106.2**	%REC	1	5/13/2008 6.57 00 PM	GEK
Surr Toluene-d8		80 1-122		**114.2**	%REC	1	5/13/2008 6.57:00 PM	GEK

Sample Narrative

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Marginal Exceedance for Naphthalene, LCS is verified per NELAC Appendix D 1 1 2

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

E RONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050415

Report Date: 16-May-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050415-001A	B-812 1 0-2 0 ft	5/5/2008	Solid	ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/14/2008
08050415-001D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-002A	B-812 9 0-10 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/14/2008
08050415-002D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
0 +15-003A	B-812 11 0-12 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
08050415-003D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-004A	B-811 2 0-3 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-004D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/13/2008	5/13/2008
				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/13/2008	5/13/2008
08050415-005A	B-811 9 0-10 0 ft			ASTM D2974		5/12/2008

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Client: Philip Environmental

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050415

Report Date: 16-May-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050415-005A	B-811 9 0-10 0 ft	5/5/2008	Solid	Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-005D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-006A	B-811 11 0-12 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/14/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-006D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-007A	B-843 2 0-3 0 ft	5/6/2008		ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/14/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008

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Client: Philip Environmental

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050415

Report Date: 16-May-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050415-007A	B-843 2 0-3 0 ft	5/6/2008	Solid	SW-846 9014A	5/13/2008	5/14/2008
08050415-007D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-008A	B-843 7 0-8 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/14/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-008D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-009A	B-843 10 0-11 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/14/2008
08050415-009D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-010A	B-844 1 0-2 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

F RONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050415

Report Date: 16-May-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050415-010A	B-844 1 0-2 0 ft	5/6/2008	Solid	SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-010D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-011A	B-844 8 0-9 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/14/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-011D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-012A	B-844 15 0-16 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
08050415-012D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/14/2008	5/14/2008
08050415-013A	B-851 19 0-20 0 ft	5/9/2008		ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
08050415-013D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/12/2008
08050415-014A	B-852 2 0-3 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008

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Client: Philip Environmental

DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050415

Report Date: 16-May-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050415-014A	B-852 2 0-3 0 ft	5/9/2008	Solid	SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-014D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-015A	B-852 9 0-10 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
				SW-846 9045C		5/13/2008
08050415-015D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-016A	B-852 23 0-24 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
08050415-016D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-017A	B-845 6 0-7 0 ft	5/6/2008		ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008

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Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050415-017A	B-845 6 0-7 0 ft	5/6/2008	Solid	SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-017D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-018A	B-845 13 0-14 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
08050415-018D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-019A	B-846 8 5-9 5 ft	5/7/2008		ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
08050415-019D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/14/2008	5/14/2008
08050415-020A	B-846 10 0-11 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
08050415-020D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/14/2008	5/14/2008
08050415-021A	B-846 20 0-21 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/14/2008
08050415-021D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/13/2008	5/13/2008
08050415-022A	B-803 2 0-3 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008

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Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050415-022A	B-803 2 0-3 0 ft	5/7/2008	Solid	SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-022D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/13/2008	5/13/2008
08050415-023A	B-803 9 0-10 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/14/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-023D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/13/2008	5/13/2008
08050415-024A	B-803 21 0-22 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008

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Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050415-024A	B-803 21 0-22 0 ft	5/7/2008	Solid	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-024D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/14/2008	5/14/2008
08050415-025A	B-803 29 0-30 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/14/2008
08050415-025D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
415-026A	B-849 0 0-1 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-026D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-027A	B-849 9 0-10 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008

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Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050415-027A	B-849 9 0-10 0 ft	5/7/2008	Solid	SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/14/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-027D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
415-028A	B-849 16 0-17 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-028D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/14/2008	5/14/2008
08050415-029A	B-848 2 0-3 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008

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Report Date: 16-May-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050415-029D	B-848 2 0-3 0 ft	5/7/2008	Solid	SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-030A	B-848 9 0-10 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/14/2008
08050415-030D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-031A	B-848 13 0-14 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/14/2008
)415-031D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-032A	B-847 6 0-7 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/14/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
08050415-032D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-033A	B-847 22 0-23 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8015B, Total Petroleum Hydrocarbons (OA-2) by GC/FID	5/12/2008	5/14/2008
				SW-846 3550B, 8015B, Total Petroleum Hydrocarbons (OA-2) by GC/FID	5/14/2008	5/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
08050415-033D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/14/2008	5/14/2008
08050415-034A	B-809 2 0-3 0 ft	5/8/2008		ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008

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Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050415-034A	B-809 2 0-3 0 ft	5/8/2008	Solid	SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
				SW-846 9045C		5/13/2008
08050415-034D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/13/2008	5/13/2008
08050415-035A	B-809 9 0-10 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008

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Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050415-035A	B-809 9 0-10 0 ft	5/8/2008	Solid	SW-846 9045C		5/13/2008
08050415-035D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-036A	B-809 15 0-16 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-036D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-037A	B-847 29 0-30 0 ft	5/7/2008		ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
08050415-037D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/12/2008	5/13/2008
08050415-038A	B-850 8 0-9 0 ft	5/8/2008		ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008

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Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050415-038A	B-850 8 0-9 0 ft	5/8/2008	Solid	SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-038D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/13/2008	5/13/2008
08050415-039A	B-850 16 0-17 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/14/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/15/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3050B, 6010B, Metals by ICP	5/13/2008	5/16/2008
				SW-846 3550B, 8015B, Total Petroleum Hydrocarbons (OA-2) by GC/FID	5/12/2008	5/14/2008
				SW-846 3550B, 8015B, Total Petroleum Hydrocarbons (OA-2) by GC/FID	5/14/2008	5/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
				SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
				SW-846 9010B, 9014	5/12/2008	5/13/2008
				SW-846 9014A	5/13/2008	5/14/2008
08050415-039D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/14/2008	5/14/2008
08050415-040A	B-850 25 0-26 0 ft			ASTM D2974		5/12/2008
				Standard Methods 18th Ed 2540 G		5/12/2008

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Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050415-040A	B-850 25 0-26 0 ft	5/8/2008	Solid	SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/12/2008	5/15/2008
08050415-040D				SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS	5/13/2008	5/13/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Sample ID **MB-R108131**	SampType **MBLK**			Units **mg/Kg**		Prep Date **5/13/2008**		RunNo **108131**			
Client ID **ZZZZZZ**	Batch ID **44827**			**SOP2092**		Analysis Date **5/14/2008**		SeqNo. **1947206**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination	< 0 01	0 01									

Sample ID **LCS-R108131**	SampType. **LCS**			Units **mg/Kg**		Prep Date **5/13/2008**		RunNo **108131**			
Client ID **ZZZZZZ**	Batch ID **44827**			**SOP2092**		Analysis Date **5/14/2008**		SeqNo **1947207**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination	0 20	0 01	0.2000	0	100 8	85	115				

Sample ID	MB-R108067	SampType	MBLK			Units	mg/Kg	Prep Date	5/12/2008		RunNo	108067	
Client ID	ZZZZZZ	Batch ID	44810				SW9010	Analysis Date	5/13/2008		SeqNo	1945237	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		< 0.01	0 01										

Sample ID	LCS-R108067	SampType	LCS			Units	mg/Kg	Prep Date	5/12/2008		RunNo	108067	
Client ID	ZZZZZZ	Batch ID	44810				SW9010	Analysis Date	5/13/2008		SeqNo	1945238	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		0 20	0 01	0 2000	0	100 8	85	115					

Sample ID	LCSD-R108067	SampType	LCSD			Units	mg/Kg	Prep Date	5/12/2008		RunNo	108067	
Client ID	ZZZZZZ	Batch ID	44810				SW9010	Analysis Date	5/13/2008		SeqNo	1945239	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		0 19	0 01	0 2000	0	93 2	85	115	0 2016	7 85	15		

Sample ID	08050415-005AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	5/12/2008		RunNo	108067	
Client ID	B-811 9.0-10.0 ftMS	Batch ID	44810				SW9010	Analysis Date	5/13/2008		SeqNo	1945242	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		5 97	0 62	6 205	0 2479	92 2	80	120					

Sample ID	08050415-005AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date.	5/12/2008		RunNo	108067	
Client ID	B-811 9.0-10.0 ftMS	Batch ID	44810				SW9010	Analysis Date	5/13/2008		SeqNo	1945243	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cyanide		6 23	0 62	6 198	0 2479	96 5	80	120	5 971	4 27	20		

Sample ID	MB-R108067	SampType	MBLK			Units.	mg/Kg	Prep Date	5/12/2008		RunNo	108067	
Client ID	ZZZZZZ	Batch ID	44826				SW9010	Analysis Date	5/13/2008		SeqNo	1945262	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

ANALYTICAL QC SUMMARY REPO

TestCode: I_TCN_S_MT

Sample ID	MB-R108067	SampType	MBLK			Units	mg/Kg	Prep Date	5/12/2008	RunNo.	108067	
Client ID	ZZZZZZ	Batch ID	44826				SW9010	Analysis Date	5/13/2008	SeqNo	1945262	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		< 0 01	0 01									

Sample ID	LCS-R108067	SampType	LCS			Units	mg/Kg	Prep Date	5/12/2008	RunNo	108067	
Client ID	ZZZZZZ	Batch ID	44826				SW9010	Analysis Date	5/13/2008	SeqNo	1945263	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		0 19	0 01	0.2000	0	94 1	85	115				

Sample ID	LCSD-R108067	SampType	LCSD			Units	mg/Kg	Prep Date	5/12/2008	RunNo	108067	
Client ID	ZZZZZZ	Batch ID	44826				SW9010	Analysis Date	5/13/2008	SeqNo	1945264	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		0 20	0 01	0 2000	0	99 7	85	115	0 1881	5 84	15	

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Client IIp Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050415 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPO

TestCode: I_TS_M_MT

Sample ID	LCS-R108052	SampType	LCS			Units	%		Prep Date		RunNo	108052	
Client ID	ZZZZZZ	Batch ID	R108052						Analysis Date	5/12/2008	SeqNo	1944672	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Solids		1 0	0 1	1 000	0	99 0	90	110					

Sample ID	LCSQC	SampType	LCSQC			Units	%		Prep Date		RunNo	108052	
Client ID	ZZZZZZ	Batch ID	R108052						Analysis Date	5/12/2008	SeqNo	1944673	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Solids		1 0	0 1	1 000	0	100	90	110					

Sample ID	08050415-004ADUP	SampType	DUP			Units	%		Prep Date		RunNo	108052	
Client ID	B-811 2.0-3.0 ftDUP	Batch ID	R108052						Analysis Date	5/12/2008	SeqNo	1944689	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Solids		79 2	0 1						78 94	0 341	15		

Sample ID	08050415-022ADUP	SampType	DUP			Units	%		Prep Date		RunNo	108052	
Client ID	B-803 2.0-3.0 ftDUP	Batch ID	R108052						Analysis Date	5/12/2008	SeqNo	1944708	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Solids		80 2	0 1						80 07	0 150	15		

Client Ilp Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050415 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REP(

TestCode: L_PH_S_M

Sample ID	08050415-015ADUP	SampType	DUP			Units		Prep Date		RunNo	108062	
Client ID	B-852 9.0-10.0 ftDUP	Batch ID	R108062					Analysis Date	5/13/2008	SeqNo	1945105	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
pH (1 1)	8 18	1 00						8 150	0 367	10		

Sample ID	LCS-R108062	SampType	LCS			Units.		Prep Date		RunNo	108062	
Client ID	ZZZZZZ	Batch ID	R108062					Analysis Date	5/13/2008	SeqNo	1945128	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
pH (1 1)	7 00	1 00	7 000	0	100	99 1	100 9					

Client lip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050415 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REP(

TestCode: M_SOLIDS_ICP

Sample ID	MB-44809	SampType	MBLK			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108118	
Client ID	ZZZZZZ	Batch ID	44809				SOP 3032	Analysis Date	5/14/2008		SeqNo	1947268	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		< 2 50	2 50	2 500	0	0	-100	100					
Chromium		< 1 00	1 00	1 000	0	0	-100	100					
Lead		< 4 00	4 00	4 000	0	0	-100	100					

Sample ID	LCS-44809	SampType	LCS			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108118	
Client ID	ZZZZZZ	Batch ID	44809				SOP 3032	Analysis Date	5/14/2008		SeqNo	1947271	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		196	2 50	200 0	0	97 8	85	115					
Chromium		19 5	1 00	20 00	0	97 6	85	115					

Sample ID	08050415-006AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108118	
Client ID	B-811 11.0-12.0 ftMS	Batch ID	44809				SOP 3032	Analysis Date	5/14/2008		SeqNo	1947276	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		176	2 40	192 3	6 433	88 1	75	125					
Chromium		31 2	0 96	19 23	14 38	87 7	75	125					

Sample ID	08050415-006AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108118	
Client ID	B-811 11.0-12.0 ftMS	Batch ID	44809				SOP 3032	Analysis Date	5/14/2008		SeqNo	1947277	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		177	2 40	192 3	6 433	88 9	75	125	175 8	0 871	20		
Chromium		30 4	0 96	19 23	14 38	83 4	75	125	31 25	2.71	20		

Sample ID	08050415-014AMS	SampType.	MS			Units.	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108118	
Client ID	B-852 2.0-3.0 ftMS	Batch ID	44809				SOP 3032	Analysis Date	5/14/2008		SeqNo	1947285	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		177	2 40	192 3	4.615	89 8	75	125					

Client: ilip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050415 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPC

TestCode: **M_SOLIDS_ICP**

Sample ID	08050415-014AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108118	
Client ID	B-852 2.0-3.0 ftMS	Batch ID	44809			SOP 3032		Analysis Date	5/14/2008		SeqNo	1947285	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Chromium	40 6	0 96	19 23	23 50	89 2	75	125						

Sample ID	08050415-014AMSD	SampType	MSD			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108118	
Client ID	B-852 2.0-3.0 ftMSD	Batch ID	44809			SOP 3032		Analysis Date	5/14/2008		SeqNo	1947286	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Arsenic	179	2 40	192 3	4 615	90 7	75	125	177 3	0 971	20			
Chromium	41 6	0 96	19 23	23 50	94 2	75	125	40 64	2 36	20			

Sample ID	MB-44809	SampType	MBLK			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108133	
Client ID	ZZZZZZ	Batch ID	44809			SOP 3032		Analysis Date	5/15/2008		SeqNo	1949076	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Lead	< 4 00	4 00	4 000	0	0	-100	100						

Sample ID	LCS-44809	SampType	LCS			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108133	
Client ID	ZZZZZZ	Batch ID	44809			SOP 3032		Analysis Date	5/15/2008		SeqNo	1949077	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Lead	52 7	4 00	50 00	0	105 3	85	115						

Sample ID	08050415-006AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	5/13/2008		RunNo	108133	
Client ID	B-811 11.0-12.0 ftMS	Batch ID	44809			SOP 3032		Analysis Date	5/15/2008		SeqNo	1949084	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Lead	50 6	3 85	48 08	10 14	84 1	75	125						

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Client. .lip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050415 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REP(

TestCode: M_SOLIDS_ICP

Sample ID. **08050415-006AMSD**	SampType **MSD**			Units **mg/Kg-dry**		Prep Date **5/13/2008**		RunNo **108133**		
Client ID **B-811 11.0-12.0 ftMS**	Batch ID **44809**			**SOP 3032**		Analysis Date **5/15/2008**		SeqNo **1949085**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	49 7	3 85	48 08	10 14	82 3	75	125	50 56	1 71	20	

Sample ID **08050415-014AMS**	SampType **MS**			Units. **mg/Kg-dry**		Prep Date. **5/13/2008**		RunNo **108207**		
Client ID **B-852 2.0-3.0 ftMS**	Batch ID **44809**			**SOP 3032**		Analysis Date **5/16/2008**		SeqNo **1949511**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	99 8	3 85	48 08	51 90	99 6	75	125				

Sample ID: **08050415-014AMSD**	SampType **MSD**			Units **mg/Kg-dry**		Prep Date **5/13/2008**		RunNo **108207**		
Client ID **B-852 2.0-3.0 ftMSD**	Batch ID **44809**			**SOP 3032**		Analysis Date **5/16/2008**		SeqNo **1949512**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	94 3	3 85	48 08	51 90	88 1	75	125	99 81	5 71	20	

Sample ID **MB-44799**	SampType **MBLK**			Units **mg/Kg**		Prep Date **5/12/2008**		RunNo **108117**			
Client ID **ZZZZZZ**	Batch ID **44799**			**SW3550B**		Analysis Date **5/14/2008**		SeqNo **1946847**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 003									
Acenaphthylene	ND	0 003									
Anthracene	ND	0.003									
Benzo(a)anthracene	ND	0 003									
Benzo(a)pyrene	ND	0 003									
Benzo(b)fluoranthene	ND	0 003									
Benzo(g,h,ı)perylene	ND	0 003									
Benzo(k)fluoranthene	ND	0 003									
Chrysene	ND	0 003									
Dibenzo(a,h)anthracene	ND	0 003									
Fluoranthene	ND	0 003									
Fluorene	ND	0 003									
Indeno(1,2,3-cd)pyrene	ND	0 003									
Naphthalene	ND	0 003									
Phenanthrene	ND	0 003									
Pyrene	ND	0 003									
Surr 2-Fluorobiphenyl	0 120		0 1670		72.1	17 5	123				
Surr Nitrobenzene-d5	0 112		0 1670		67 3	35	105				
Surr p-Terphenyl-d14	0.137		0 1670		81 8	53 6	122				

Sample ID **LCS-44799**	SampType **LCS**			Units **mg/Kg**		Prep Date **5/12/2008**		RunNo **108117**			
Client ID **ZZZZZZ**	Batch ID **44799**			**SW3550B**		Analysis Date **5/14/2008**		SeqNo **1946848**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.103	0 003	0 1670	0	61 6	56 3	115				
Acenaphthylene	0 137	0.003	0 1670	0	81 8	60.3	143				
Anthracene	0 099	0 003	0 1670	0	59 0	52 1	109				
Benzo(a)anthracene	0 100	0 003	0 1670	0	59 8	52 8	112				
Benzo(a)pyrene	0 105	0 003	0 1670	0	63 0	40 8	127				
Benzo(b)fluoranthene	0 118	0 003	0 1670	0	70 8	50 1	150				
Benzo(g,h,ı)perylene	0.118	0 003	0 1670	0	70 5	52 8	145				

Client ip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050415 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPO

TestCode: SV_8270S_S_SIMS

Sample ID	LCS-44799	SampType	LCS			Units	mg/Kg	Prep Date	5/12/2008	RunNo	108117
Client ID	ZZZZZZ	Batch ID	44799				SW3550B	Analysis Date	5/14/2008	SeqNo	1946848

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0 115	0 003	0 1670	0	68 7	52	153				
Chrysene	0 110	0 003	0 1670	0	65 8	60.8	128				
Dibenzo(a,h)anthracene	0 118	0 003	0 1670	0	70 6	54 9	150				
Fluoranthene	0 105	0.003	0 1670	0	62 7	58 7	125				
Fluorene	0 109	0 003	0 1670	0	65 4	57 8	125				
Indeno(1,2,3-cd)pyrene	0 116	0 003	0 1670	0	69 2	52	147				
Naphthalene	0 093	0 003	0 1670	0	55 6	54 8	113				
Phenanthrene	0 109	0 003	0 1670	0	65 2	60 4	121				
Pyrene	0 109	0 003	0 1670	0	65 1	57 9	129				
Surr 2-Fluorobiphenyl	0 109		0 1670		65 5	35 3	113				
Surr Nitrobenzene-d5	0 100		0 1670		59 7	33 9	108				
Surr p-Terphenyl-d14	0 111		0 1670		66 5	58 4	122				

Sample ID	08050415-002AMS	SampType	MS			Units	mg/Kg-dry	Prep Date	5/12/2008	RunNo	108117
Client ID	B-812 9.0-10.0 ftMS	Batch ID	44799				SW3550B	Analysis Date	5/14/2008	SeqNo	1946862

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 116	0 004	0 1863	0	62 3	36	135				
Acenaphthylene	0 150	0 004	0 1863	0	80 5	17 2	167				
Anthracene	0 111	0 004	0 1863	0	59 6	39 3	124				
Benzo(a)anthracene	0.116	0.004	0.1863	0	62 5	10	183				
Benzo(a)pyrene	0 129	0 004	0 1863	0	69 3	10	204				
Benzo(b)fluoranthene	0 132	0 004	0 1863	0	71 0	10 6	178				
Benzo(g,h,i)perylene	0 130	0 004	0 1863	0	69 5	10	168				
Benzo(k)fluoranthene	0 130	0 004	0 1863	0	69.7	27 6	181				
Chrysene	0 126	0 004	0 1863	0	67 6	10	176				
Dibenzo(a,h)anthracene	0 136	0.004	0 1863	0	72 9	12 2	156				
Fluoranthene	0 121	0 004	0 1863	0	64 7	10	227				
Fluorene	0 119	0 004	0 1863	0	64 1	35 2	148				
Indeno(1,2,3-cd)pyrene	0 133	0 004	0 1863	0	71 2	10	164				
Naphthalene	0 099	0 004	0 1863	0	53 4	14 7	128				

Sample ID **08050415-002AMS**	SampType. **MS**	Units **mg/Kg-dry**	Prep Date **5/12/2008**	RunNo **108117**
Client ID **B-812 9.0-10.0 ftMS**	Batch ID **44799**	**SW3550B**	Analysis Date **5/14/2008**	SeqNo **1946862**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	0 121	0 004	0 1863	0	64 7	32 8	143				
Pyrene	0 122	0 004	0 1863	0	65 7	10	180				
Surr 2-Fluorobiphenyl	0 124		0 1863		66 5	10	131				
Surr Nitrobenzene-d5	0 116		0 1863		62 5	10	132				
Surr p-Terphenyl-d14	0 131		0 1863		70 3	30 6	131				

Sample ID **08050415-002AMSD**	SampType. **MSD**	Units **mg/Kg-dry**	Prep Date **5/12/2008**	RunNo **108117**
Client ID **B-812 9.0-10.0 ftMS**	Batch ID **44799**	**SW3550B**	Analysis Date **5/14/2008**	SeqNo **1946863**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 118	0 004	0 1879	0	62 8	36	135	0 1161	1 71	49 7	
Acenaphthylene	0 146	0 004	0 1879	0	77 5	17 2	167	0 1499	2 91	33 3	
Anthracene	0 110	0 004	0 1879	0	58 3	39 3	124	0 1110	1 25	51 1	
Benzo(a)anthracene	0 117	0 004	0 1879	0	62 2	10	183	0 1163	0 464	40 6	
Benzo(a)pyrene	0 122	0 004	0 1879	0	65 1	10	204	0 1291	5 36	56 4	
Benzo(b)fluoranthene	0 130	0 004	0 1879	0	69 2	10 6	178	0 1323	1 68	49 7	
Benzo(g,h,i)perylene	0 131	0 004	0 1879	0	69 8	10	168	0 1295	1 25	36 5	
Benzo(k)fluoranthene	0 130	0.004	0 1879	0	69 3	27 6	181	0 1298	0 305	42 6	
Chrysene	0 129	0 004	0 1879	0	68 9	10	176	0 1260	2 72	45 1	
Dibenzo(a,h)anthracene	0 134	0 004	0 1879	0	71 5	12 2	156	0 1358	1 03	39 9	
Fluoranthene	0 122	0 004	0 1879	0	64 8	10	227	0 1205	1 03	66 2	
Fluorene	0 121	0 004	0 1879	0	64 4	35 2	148	0 1195	1 22	65 6	
Indeno(1,2,3-cd)pyrene	0 131	0 004	0 1879	0	69 6	10	164	0 1326	1 45	36 5	
Naphthalene	0 100	0 004	0 1879	0	53 0	14 7	128	0 09943	0 129	39 6	
Phenanthrene	0.119	0 004	0 1879	0	63 5	32 8	143	0 1205	0 957	35 4	
Pyrene	0 122	0.004	0 1879	0	65 1	10	180	0.1224	0 0969	60 1	
Surr 2-Fluorobiphenyl	0 114		0 1879		60.9	10	131		0	40	
Surr Nitrobenzene-d5	0 108		0 1879		57 7	10	132		0	40	
Surr p-Terphenyl-d14	0 121		0 1879		64 5	30 6	131		0	40	

Client: ip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050415 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPC

TestCode: SV_8270S_S_SIMS

Sample ID **MB-44801**	SampType **MBLK**			Units **mg/Kg**		Prep Date **5/12/2008**		RunNo **108147**	
Client ID **ZZZZZZ**	Batch ID **44801**			**SW3550B**		Analysis Date **5/14/2008**		SeqNo **1947688**	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 003									
Acenaphthylene	ND	0 003									
Anthracene	ND	0 003									
Benzo(a)anthracene	ND	0 003									
Benzo(a)pyrene	ND	0 003									
Benzo(b)fluoranthene	ND	0 003									
Benzo(g,h,i)perylene	ND	0 003									
Benzo(k)fluoranthene	ND	0 003									
Chrysene	ND	0 003									
Dibenzo(a,h)anthracene	ND	0 003									
Fluoranthene	ND	0 003									
Fluorene	ND	0 003									
Indeno(1,2,3-cd)pyrene	ND	0 003									
Naphthalene	ND	0.003									
Phenanthrene	ND	0 003									
Pyrene	ND	0 003									
Surr 2-Fluorobiphenyl	0 104		0 1670		62 3	17 5	123				
Surr Nitrobenzene-d5	0 097		0 1670		57 9	35	105				
Surr p-Terphenyl-d14	0 121		0 1670		72 7	53 6	122				

Sample ID **LCS-44801**	SampType **LCS**			Units **mg/Kg**		Prep Date **5/12/2008**		RunNo **108147**	
Client ID **ZZZZZZ**	Batch ID **44801**			**SW3550B**		Analysis Date **5/14/2008**		SeqNo **1947689**	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 100	0 003	0 1670	0	59 8	56 3	115				
Acenaphthylene	0 128	0 003	0 1670	0	76 4	60 3	143				
Anthracene	0 103	0 003	0 1670	0	61 6	52 1	109				
Benzo(a)anthracene	0.097	0 003	0 1670	0	58 2	52 8	112				
Benzo(a)pyrene	0 106	0 003	0 1670	0	63.7	40 8	127				
Benzo(b)fluoranthene	0 112	0 003	0 1670	0	67 0	50 1	150				
Benzo(g,h,i)perylene	0 109	0 003	0 1670	0	65 2	52 8	145				

Sample ID **LCS-44801**	SampType **LCS**			Units **mg/Kg**		Prep Date **5/12/2008**		RunNo **108147**			
Client ID **ZZZZZZ**	Batch ID **44801**			**SW3550B**		Analysis Date **5/14/2008**		SeqNo **1947689**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0 110	0 003	0 1670	0	65 8	52	153				
Chrysene	0 109	0 003	0 1670	0	65 2	60 8	128				
Dibenzo(a,h)anthracene	0 111	0 003	0 1670	0	66 2	54 9	150				
Fluoranthene	0 103	0 003	0 1670	0	61 5	58 7	125				
Fluorene	0 106	0 003	0 1670	0	63 5	57 8	125				
Indeno(1,2,3-cd)pyrene	0 107	0 003	0 1670	0	64 3	52	147				
Naphthalene	0 090	0 003	0 1670	0	54 1	54 8	113				S
Phenanthrene	0 103	0 003	0 1670	0	61 4	60 4	121				
Pyrene	0 106	0 003	0 1670	0	63 4	57 9	129				
Surr 2-Fluorobiphenyl	0 096		0 1670		57 7	35 3	113				
Surr Nitrobenzene-d5	0 087		0 1670		51 9	33 9	108				
Surr p-Terphenyl-d14	0 109		0 1670		65 5	58 4	122				

Sample ID. **08050415-021AMS**	SampType: **MS**			Units **mg/Kg-dry**		Prep Date **5/12/2008**		RunNo **108147**			
Client ID **B-846 20.0-21.0 ftMS**	Batch ID **44801**			**SW3550B**		Analysis Date **5/14/2008**		SeqNo **1947696**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 107	0 004	0.1841	0 003893	56 1	36	135				
Acenaphthylene	0 134	0 004	0 1841	0	73 0	17 2	167				
Anthracene	0 117	0 004	0 1841	0	63 6	39 3	124				
Benzo(a)anthracene	0 113	0.004	0 1841	0	61 5	10	183				
Benzo(a)pyrene	0 122	0 004	0 1841	0	66 3	10	204				
Benzo(b)fluoranthene	0 128	0 004	0 1841	0	69 5	10 6	178				
Benzo(g,h,i)perylene	0 124	0 004	0 1841	0	67 3	10	168				
Benzo(k)fluoranthene	0 120	0.004	0 1841	0	65 3	27 6	181				
Chrysene	0 122	0 004	0 1841	0	66.4	10	176				
Dibenzo(a,h)anthracene	0 123	0 004	0 1841	0	66 9	12 2	156				
Fluoranthene	0 122	0 004	0 1841	0	66 3	10	227				
Fluorene	0 110	0 004	0 1841	0	59 9	35 2	148				
Indeno(1,2,3-cd)pyrene	0 122	0 004	0 1841	0	66 2	10	164				
Naphthalene	0 097	0 004	0 1841	0 01291	45 4	14 7	128				

Sample ID **08050415-021AMS**	SampType **MS**	Units **mg/Kg-dry**	Prep Date **5/12/2008**	RunNo **108147**
Client ID **B-846 20.0-21.0 ftMS**	Batch ID **44801**	**SW3550B**	Analysis Date **5/14/2008**	SeqNo **1947696**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	0 124	0 004	0 1841	0 008913	62 5	32 8	143				
Pyrene	0 124	0 004	0 1841	0 004766	64 9	10	180				
Surr 2-Fluorobiphenyl	0 104		0 1841		56 3	10	131				
Surr Nitrobenzene-d5	0 108		0 1841		58 7	10	132				
Surr p-Terphenyl-d14	0 118		0 1841		63 9	30 6	131				

Sample ID **08050415-021AMSD**	SampType **MSD**	Units **mg/Kg-dry**	Prep Date **5/12/2008**	RunNo **108147**
Client ID **B-846 20.0-21.0 ftMS**	Batch ID **44801**	**SW3550B**	Analysis Date **5/14/2008**	SeqNo **1947697**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 107	0 004	0 1794	0 003893	57 6	36	135	0 1072	0 0509	49 7	
Acenaphthylene	0 137	0.004	0 1794	0	76 5	17 2	167	0 1343	2 19	33 3	
Anthracene	0 106	0 004	0 1794	0	59 2	39 3	124	0 1171	9 80	51 1	
Benzo(a)anthracene	0 105	0 004	0.1794	0	58 3	10	183	0 1132	7 88	40 6	
Benzo(a)pyrene	0.112	0 004	0.1794	0	62 3	10	204	0 1221	8 82	56 4	
Benzo(b)fluoranthene	0 117	0 004	0 1794	0	65 3	10 6	178	0 1280	8 81	49 7	
Benzo(g,h,i)perylene	0.113	0.004	0 1794	0	63 0	10	168	0 1240	9 20	36 5	
Benzo(k)fluoranthene	0 116	0 004	0 1794	0	64 4	27 6	181	0 1202	3 94	42 6	
Chrysene	0 117	0 004	0 1794	0	65 0	10	176	0 1222	4.69	45 1	
Dibenzo(a,h)anthracene	0 117	0 004	0 1794	0	65 5	12 2	156	0 1232	4.76	39 9	
Fluoranthene	0 111	0 004	0 1794	0	62 1	10	227	0 1220	9 09	66 2	
Fluorene	0 112	0 004	0 1794	0	62 3	35 2	148	0 1102	1 40	65 6	
Indeno(1,2,3-cd)pyrene	0 114	0 004	0 1794	0	63 4	10	164	0 1220	7 06	36 5	
Naphthalene	0 096	0 004	0 1794	0 01291	46 4	14 7	128	0 09652	0 325	39 6	
Phenanthrene	0 117	0 004	0 1794	0.008913	60 3	32 8	143	0 1240	5 78	35 4	
Pyrene	0 116	0 004	0 1794	0 004766	62 0	10	180	0 1242	6 85	60 1	
Surr 2-Fluorobiphenyl	0 112		0 1794		62 7	10	131		0	40	
Surr Nitrobenzene-d5	0.110		0 1794		61 5	10	132		0	40	
Surr p-Terphenyl-d14	0 122		0 1794		68 3	30 6	131		0	40	

Sample ID **LCS-44861**	SampType **LCS**			Units **mg/Kg**		Prep Date: **5/14/2008**		RunNo **108200**			
Client ID **ZZZZZZ**	Batch ID **44861**			**SW3550B**		Analysis Date **5/15/2008**		SeqNo **1948905**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	19 3	5 00	16 70	0	115 4	45 8	131				
Surr n-Tetracontane	0 60		0 6700		89 0	58	130				

Sample ID **MB-44861**	SampType **MBLK**			Units **mg/Kg**		Prep Date **5/14/2008**		RunNo **108200**			
Client ID **ZZZZZZ**	Batch ID **44861**			**SW3550B**		Analysis Date **5/15/2008**		SeqNo **1948906**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	5 00									
Kerosene	ND	5 00									
Mineral Spirits	ND	5 00									
Motor Oil	ND	5 00									
Surr n-Tetracontane	0 63		0 6700		94 3	59 5	122				

Sample ID **08050415-033AMS**	SampType **MS**			Units **mg/Kg-dry**		Prep Date **5/14/2008**		RunNo **108200**			
Client ID **B-847 22.0-23.0 ftMS**	Batch ID **44861**			**SW3550B**		Analysis Date **5/15/2008**		SeqNo **1948908**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	656	144	19 25	562 1	487 0	20 3	167				S#
Surr n-Tetracontane	0 40		0 7724		52.0	53 9	153				S

Sample ID **08050415-033AMSD**	SampType **MSD**			Units **mg/Kg-dry**		Prep Date **5/14/2008**		RunNo **108200**			
Client ID **B-847 22.0-23.0 ftMS**	Batch ID **44861**			**SW3550B**		Analysis Date **5/15/2008**		SeqNo **1948909**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	976	142	18 98	562 1	2181	20 3	167	655 9	39 2	34	SR#
Surr n-Tetracontane	0 79		0.7614		104.0	53 9	153		0	0	

Client Ip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050415 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPC

TestCode: V_BTEX_S

Sample ID	LCS-G080512-2	SampType	LCS		Units	µg/Kg	Prep Date	5/12/2008	RunNo	108042
Client ID	ZZZZZZ	Batch ID	44816			SW5035	Analysis Date	5/12/2008	SeqNo	1944539

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	51 4	1 0	50 00	0	102 8	75	123				
Toluene	50 2	5 0	50 00	0	100 3	77 3	117				
Ethylbenzene	46 8	5 0	50 00	0	93 5	80 8	118				
Xylenes, Total	92 8	5 0	100 0	0	92 8	78 5	121				
Surr 1,2-Dichloroethane-d4	40 9		50 00		81 8	61	128				
Surr 4-Bromofluorobenzene	50 6		50 00		101 3	78 2	117				
Surr Dibromofluoromethane	49 5		50 00		99 0	66 6	130				
Surr Toluene-d8	49 4		50 00		98.9	80 1	122				

Sample ID	LCSD-G080512-2	SampType	LCSD		Units	µg/Kg	Prep Date.	5/12/2008	RunNo	108042
Client ID	ZZZZZZ	Batch ID	44816			SW5035	Analysis Date	5/13/2008	SeqNo.	1944540

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50 6	1 0	50 00	0	101 3	75	123	51.42	1 53	20	
Toluene	49 3	5 0	50.00	0	98 6	77 3	117	50 16	1 69	20	
Ethylbenzene	46 4	5 0	50 00	0	92 8	80 8	118	46 75	0 708	20	
Xylenes, Total	91 2	5 0	100 0	0	91 2	78 5	121	92 81	1 76	20	
Surr 1,2-Dichloroethane-d4	39 7		50 00		79 3	61	128		0	0	
Surr 4-Bromofluorobenzene	50 4		50 00		100 9	78 2	117		0	0	
Surr Dibromofluoromethane	49 1		50 00		98 2	66 6	130		0	0	
Surr Toluene-d8	48 8		50 00		97 6	80 1	122		0	0	

Sample ID	MBLK-G080512-2	SampType	MBLK		Units	µg/Kg	Prep Date	5/12/2008	RunNo	108042
Client ID	ZZZZZZ	Batch ID	44816			SW5035	Analysis Date	5/13/2008	SeqNo	1944542

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1 0									
Toluene	ND	5 0									
Ethylbenzene	ND	5 0									
Xylenes, Total	ND	5 0									

Client lip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050415 **Report Date:** *16-May-08*

ANALYTICAL QC SUMMARY REPt

TestCode: V_BTEX_S

Sample ID: **MBLK-G080512-2**	SampType **MBLK**	Units **µg/Kg**	Prep Date **5/12/2008**	RunNo **108042**
Client ID **ZZZZZZ**	Batch ID **44816**	**SW5035**	Analysis Date **5/13/2008**	SeqNo **1944542**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr 1,2-Dichloroethane-d4	40 0		50 00		80 0	61	128				
Surr 4-Bromofluorobenzene	51 1		50 00		102 1	78 2	117				
Surr Dibromofluoromethane	48.5		50 00		97.0	66 6	130				
Surr Toluene-d8	49 1		50 00		98 2	80 1	122				

Sample ID **LCS-F080512-2**	SampType **LCS**	Units **µg/Kg**	Prep Date **5/12/2008**	RunNo **108043**
Client ID **ZZZZZZ**	Batch ID. **44818**	**SW5035**	Analysis Date **5/12/2008**	SeqNo **1944551**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49 4	1 0	50 00	0	98 9	75	123				
Toluene	48.5	5 0	50 00	0	97 0	77 3	117				
Ethylbenzene	51 5	5 0	50.00	0	103 0	80.8	118				
Xylenes, Total	106	5 0	100 0	0	106 0	78 5	121				
Surr 1,2-Dichloroethane-d4	48 3		50 00		96 6	61	128				
Surr 4-Bromofluorobenzene	49 3		50 00		98 5	78 2	117				
Surr Dibromofluoromethane	49 5		50 00		99 0	66 6	130				
Surr Toluene-d8	48 9		50 00		97 8	80 1	122				

Sample ID **LCSD-F080512-2**	SampType **LCSD**	Units **µg/Kg**	Prep Date **5/12/2008**	RunNo **108043**
Client ID **ZZZZZZ**	Batch ID **44818**	**SW5035**	Analysis Date **5/12/2008**	SeqNo **1944552**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50 6	1 0	50 00	0	101 2	75	123	49.44	2 36	20	
Toluene	49 3	5 0	50 00	0	98 7	77 3	117	48 52	1 68	20	
Ethylbenzene	52 4	5 0	50 00	0	104 8	80 8	118	51 51	1 71	20	
Xylenes, Total	109	5 0	100 0	0	108 7	78 5	121	106 0	2 45	20	
Surr 1,2-Dichloroethane-d4	49 2		50.00		98 4	61	128		0	0	
Surr 4-Bromofluorobenzene	49 4		50.00		98 8	78 2	117		0	0	
Surr Dibromofluoromethane	49 8		50 00		99 5	66 6	130		0	0	
Surr Toluene-d8	48 6		50 00		97.3	80 1	122		0	0	

Sample ID	**MBLK-F080512-2**	SampType	**MBLK**		Units	**µg/Kg**	Prep Date	**5/12/2008**	RunNo	**108043**	
Client ID	**ZZZZZZ**	Batch ID	**44818**			**SW5035**	Analysis Date	**5/12/2008**	SeqNo	**1944554**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		ND	1 0									
Toluene		ND	5 0									
Ethylbenzene		ND	5 0									
Xylenes, Total		ND	5 0									
Surr 1,2-Dichloroethane-d4		51 4		50.00		102 7	61	128				
Surr 4-Bromofluorobenzene		48 6		50 00		97 2	78 2	117				
Surr Dibromofluoromethane		51 3		50 00		102 6	66 6	130				
Surr Toluene-d8		48 4		50 00		96 8	80 1	122				

Sample ID	**LCS-F080513-1**	SampType	**LCS**		Units	**µg/Kg**	Prep Date	**5/13/2008**	RunNo	**108092**	
Client ID	**ZZZZZZ**	Batch ID	**44849**			**SW5035**	Analysis Date	**5/13/2008**	SeqNo	**1946113**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		48.8	1 0	50 00	0	97 7	75	123				
Toluene		48 1	5 0	50 00	0	96 3	77 3	117				
Ethylbenzene		51 9	5 0	50 00	0	103 8	80 8	118				
Xylenes, Total		107	5 0	100 0	0	106 6	78 5	121				
Surr 1,2-Dichloroethane-d4		49 2		50 00		98 4	61	128				
Surr 4-Bromofluorobenzene		48 9		50 00		97 8	78 2	117				
Surr Dibromofluoromethane		50 4		50 00		100 8	66 6	130				
Surr Toluene-d8		48 9		50.00		97 9	80 1	122				

Sample ID	**LCSD-F080513-1**	SampType	**LCSD**		Units	**µg/Kg**	Prep Date	**5/13/2008**	RunNo	**108092**	
Client ID	**ZZZZZZ**	Batch ID	**44849**			**SW5035**	Analysis Date	**5/13/2008**	SeqNo	**1946114**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		46 0	1 0	50 00	0	92 0	75	123	48 83	5 95	20	
Toluene		44 8	5 0	50 00	0	89 7	77 3	117	48 13	7 10	20	
Ethylbenzene		48 4	5 0	50 00	0	96 9	80 8	118	51 89	6 90	20	
Xylenes, Total		98 7	5 0	100 0	0	98 7	78 5	121	106 6	7 73	20	

Sample ID	LCSD-F080513-1	SampType	LCSD			Units	µg/Kg	Prep Date	5/13/2008	RunNo	108092	
Client ID	ZZZZZZ	Batch ID.	44849				SW5035	Analysis Date	5/13/2008	SeqNo	1946114	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr 1,2-Dichloroethane-d4		51 2		50 00		102 5	61	128		0	0	
Surr 4-Bromofluorobenzene		49 1		50 00		98 2	78 2	117		0	0	
Surr. Dibromofluoromethane		50 5		50 00		100 9	66 6	130		0	0	
Surr Toluene-d8		48 4		50 00		96 9	80 1	122		0	0	

Sample ID	MBLK-F080513-1	SampType	MBLK			Units	µg/Kg	Prep Date	5/13/2008	RunNo	108092	
Client ID	ZZZZZZ	Batch ID	44849				SW5035	Analysis Date	5/13/2008	SeqNo	1946115	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		ND	1 0									
Toluene		ND	5 0									
Ethylbenzene		ND	5 0									
Xylenes, Total		ND	5 0									
Surr 1,2-Dichloroethane-d4		50 1		50 00		100 2	61	128				
Surr 4-Bromofluorobenzene		49 2		50 00		98 3	78 2	117				
Surr Dibromofluoromethane		50 6		50.00		101 2	66 6	130				
Surr Toluene-d8		48 9		50 00		97.8	80 1	122				

Sample ID	LCS-F080514-1	SampType	LCS			Units	µg/Kg	Prep Date	5/14/2008	RunNo	108135	
Client ID	ZZZZZZ	Batch ID	44866				SW5035	Analysis Date	5/14/2008	SeqNo	1947428	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		45 9	1 0	50 00	0	91 8	75	123				
Toluene		45 4	5 0	50.00	0	90 7	77 3	117				
Ethylbenzene		49 4	5 0	50 00	0	98 9	80 8	118				
Xylenes, Total		101	5 0	100 0	0	101 0	78 5	121				
Surr 1,2-Dichloroethane-d4		54 1		50 00		108 1	61	128				
Surr 4-Bromofluorobenzene		50 2		50 00		100 3	78 2	117				
Surr Dibromofluoromethane		52.6		50 00		105 1	66 6	130				
Surr Toluene-d8		48 2		50 00		96.4	80 1	122				

Sample ID	LCSD-F080514-1	SampType	LCSD			Units	µg/Kg	Prep Date	5/14/2008		RunNo	108135	
Client ID	ZZZZZZ	Batch ID	44866				SW5035	Analysis Date	5/14/2008		SeqNo	1947429	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene		47 2	1 0	50 00	0	94 4	75	123	45 90	2 77	20		
Toluene		46 4	5 0	50 00	0	92 7	77 3	117	45 36	2 16	20		
Ethylbenzene		49 9	5 0	50 00	0	99 7	80 8	118	49 44	0 866	20		
Xylenes, Total		104	5 0	100 0	0	103 6	78 5	121	101 0	2 49	20		
Surr 1,2-Dichloroethane-d4		54 6		50 00		109 2	61	128		0	0		
Surr 4-Bromofluorobenzene		50 6		50 00		101 2	78 2	117		0	0		
Surr Dibromofluoromethane		53 7		50 00		107 4	66 6	130		0	0		
Surr Toluene-d8		47 7		50.00		95 3	80 1	122		0	0		

Sample ID	MBLK-F080514-1	SampType	MBLK			Units	µg/Kg	Prep Date	5/14/2008		RunNo	108135	
Client ID	ZZZZZZ	Batch ID	44866				SW5035	Analysis Date	5/14/2008		SeqNo	1947431	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene		ND	1 0										
Toluene		ND	5 0										
Ethylbenzene		ND	5 0										
Xylenes, Total		ND	5 0										
Surr 1,2-Dichloroethane-d4		56 5		50 00		113 0	61	128					
Surr 4-Bromofluorobenzene		49 7		50 00		99 4	78 2	117					
Surr Dibromofluoromethane		53 4		50 00		106 8	66 6	130					
Surr Toluene-d8		48 0		50 00		96 0	80.1	122					

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

RECEIVING CHECK LIST

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050415
Report Date: 16-May-08

Carrier: Leslie Hoosier

Received By: EAH

Completed by: Elizabeth A Hurley
On: 09-May-08

Elizabeth A Hurley

Reviewed by: Marvin L. Darling II
On: 12-May-08

Marvin L. Darling

Pages to follow | Chain of custody: 6 | Extra pages included: 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 4 6
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑	
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0 1°C - 6 0°C, or when samples are received on ice the same day as collected

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Any No responses must be detailed below or on the COC

One B-847 6.0-7 0 ft jar was labeled "B-847 6 0-8 0 ft " All other containers were labeled correctly EAH 5/9/08

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230
(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

0805045

COC Serial No. B 08649

Project Name: Ameren IP Champaign Project Mgr.: Derek Ingram
Project Number: 6240 3053 Cost Code: 024501
Sampler(s): L. Hoosier / R. Huson
Laboratory Name: Teklab
Location: Collinsville

Laboratory Temperature upon Receipt: 4.6°C ICED

Analyses by Method Name and Number

Sample Number and (depth)	Date	Time	Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX	PAH	Metals *	Cyanide	Comments (Field PID)	Lab ID #'s
B-812 1.0-2.0'	5/5	1610	X					5	X	X			*Arsenic, Chromium,	08050415-001
B-812 9.0-10.0	5/5	1625	X					5	X	X			~~tod~~ per lead	002
B-812 11.0-12.0	5/5	1642	X					5	X	X				003
B-811 LH ~~2'-3'~~ 2.0-3.0	5/5	1715	X					5	X	X	X	X		004
B-811 9.0-10.0	5/5	~~1712~~ 1723	X					5	X	X	X	X		005
B-811 11.0-12.0	5/5	1743	X					5	X	X	X	X		006

Per Leslie Hoosier, add metals and cyanide to B809 (all depths), B811 (all depths), B843 (2-3 ft and 7-8 ft), B845 (6-7 ft), B803 (2-3 ft, 9-10 ft, and 21-22 ft), B849 (0-1 ft, 9-10 ft, 16-17 ft), B844 (1-2 ft and 8-9 ft), B852 (2-3 ft), and B850 (8-9 ft and 16-17 ft). Add pH to B809 (2-3 ft and 9-10 ft) and B852 (9-10 ft). EAH 5/12/08

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics . . . Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) . . . Sodium Bisulfate/Methanol
- ☐ TPH . . . Hydrochloric acid and/or Sulfuric acid
- ☐ Metals . . . Nitric acid (HNO_3)
- ☐ Cyanide . . . Sodium hydroxide (NaOH)
- ☐ Other (Specify) . . .

Lab Directives:

Requested TAT. ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to Derek Ingram
Send Invoice to
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines
Reporting Limits
* Special

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Leslie Hoosier	5/9	1720

Received by:

Signature	Date	Time
Elizabeth A. Hurley	5/9/08	1720

Distribution . c to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Co d by Lab

PE-179 (6/03)

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

0805041S

COC Serial No. B 06650

Project Name: Ameren IP Champaign Project Mgr.: Derek Ingram
Project Number: 62403053 Cost Code: 024501
Sampler(s): L. Hoosier / R. Huson

Laboratory Name: Test Lab
Laboratory Location: Collinsville

Laboratory Temperature upon Receipt: 4.6°C (cool)

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	Analyses by Method Name and Number: BTEX	PAH	Metals	Cyanide	pH	Comments (Field PID)	Lab ID #'s
B843 2.0-3.0'	5/6	0924	X					5	X	X	X	X			0805041S-007
B843 7.0-8.0'	5/6	0935	X					5	X	X	X	X			008
B843 10.0-11.0'	5/6	0947	X					5	X	X					009
B844 1.0'-2.0'	5/6	1247	X					5	X	X	X	X			010
B844 ~~9.0-10.0'~~ 8.0-9.0	5/6	1305	X					5	X	X	X	X			011
B844 15.0-16.0	5/6	1340	X					5	X	X					012
B851 19.0-20.0	5/9	1020	X					5	X	X					013
B852 2.0-3.0'	5/9	1111	X					5	X	X	X	X			014
B852 9.0-10.0'	5/9	1125	X					5	X	X	~~X~~	~~X~~	X		015
B852 23.0-24.0'	5/9	1142	X					5	X	X	SAM 5/12/08				016

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics . . . . . Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) . . . . . Sodium Bisulfate/Methanol
- ☐ TPH . . . . . Hydrochloric acid and/or Sulfuric acid
- ☐ Metals . . . . . Nitric acid (HNO_3)
- ☐ Cyanide . . . . . Sodium hydroxide (NaOH)
- ☐ Other (Specify) . . . _____

Lab Directives:

Requested TAT ☐ Rush ☐ 5 Days ☒ STD ☐ Other _____
Fax and/or Mail Results to Derek Ingram
Send Invoice to _____
QC Deliverable Requested ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____
Special Guidelines _____
Reporting Limits _____
* Special _____

Shipping:

Carrier / Airbill No

Relinquished by:

Signature	Date	Time
Leslie Hoosier	5/9	1720

Received by:

Signature	Date	Time
Elizabeth A Hurley	5/9/08	1720

Distribution to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Co d by Lab

PE-179 (6/03)

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

08050415

COC Serial No. B 08651

Project Name: American Champaign Project Mgr.: Derek Ingram

Project Number: 62403053 Cost Code: 024501

Sampler(s): L. Hoosier / K. Huson

Laboratory Name: TekLab

Laboratory Location: Collinsville

Laboratory Temperature upon Receipt: 4.6°C

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	Analyses by Method Name and Number: BTEX	PAH	Metals	Cyanide	Comments (Field PID)	Lab ID #'s
B845 6.0'-7.0'	5/6	1445	X					5	X	X	X	X		08050415-017
B845 13.0-14.0'	5/6	1500	X					5	X	X				018
B846 8.5-9.5'	5/7	0855	X					5	X	X				019
B846 10.0-11.0'	5/7	0930	X					5	X	X				020
B846 20.0-21.0'	5/7	0954	X					5	X	X				021
B803 2.0-3.0	5/7	1007	X					5	X	X	X	X		022
B803 9.0-10.0	5/7	1020	X					5	X	X	X	X		023
B803 21.0-22.0	5/7	~~1021~~ 1044	X					5	X	X	X	X		024
B803 29.0-30.0	5/7	1055	X					5	X	X				025

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics . . . . Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) . . . . . Sodium Bisulfate/Methanol
- ☐ TPH . . . . . Hydrochloric acid and/or Sulfuric acid
- ☐ Metals . Nitric acid (HNO_3)
- ☐ Cyanide . . Sodium hydroxide (NaOH)
- ☐ Other (Specify) . . . . . _____

Lab Directives:

Requested TAT ☐ Rush ☐ 5 Days ☒ STD ☐ Other _____

Fax and/or Mail Results to: Derek Ingram

Send Invoice to _____

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____

Special Guidelines _____

Reporting Limits _____

* Special _____

Shipping:

Carrier / Airbill No

Relinquished by:

Signature	Date	Time
Leslie Hoosier	5/9	1720

Received by:

Signature	Date	Time
Elizabeth A Hurley	5/9/08	1720

Distribution E to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be C… …ed by Lab

PE-179 (6/03)

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230
(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

08050415

COC Serial No. B 08655

Project Name: Ameren IP Champaign Project Mgr.: Derek Ingram
Project Number: 62403053 Cost Code: 024501
Sampler(s): L. Hoosier / R. Huson
Laboratory Name: Teklab
Location: Collinsville

Laboratory Temperature upon Receipt: 4.6°C ICED

Analyses by Method Name and Number

Sample Number and (depth)	Date	Time	Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX	PAH	Metals	Cyanide							Comments (Field PID)	Lab ID #'s
B849 0.0-1.0'	5/7	1125	X					5	X	X	X	X								08050415-026
B849 9.0-10.0'	5/7	1135	X					5	X	X	X	X								027
B849 16.0-17.0'	5/7	1155	X					5	X	X	X	X								028

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics . . . Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) . . . . . Sodium Bisulfate/Methanol
- ☐ TPH . . . . . Hydrochloric acid and/or Sulfuric acid
- ☐ Metals . . . . Nitric acid (HNO_3)
- ☐ Cyanide . . . Sodium hydroxide (NaOH)
- ☐ Other (Specify) . . . . . .

Lab Directives:

Requested TAT. ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to. Derek Ingram
Send Invoice to
QC Deliverable Requested ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines
Reporting Limits
* Special

Shipping:

Carrier / Airbill No

Relinquished by:

Signature	Date	Time
Leslie Hoosier	5/9	1720

Received by:

Signature	Date	Time
Elizabeth A. Hurley	5/9/08	1720

Distribution E to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be C[illegible]d by Lab

PE-179 (6/03)

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

08050415

COC Serial No. B 08654

Project Name: Ameren IP Champaign Project Mgr.: Derek Ingram
Project Number: 62403053 Cost Code: 024501
Sampler(s): L Hoosier / R Huson
Laboratory Name: Teklab
Location: Collinsville

Laboratory Temperature upon Receipt: 4.6°C ICED

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	Analyses by Method Name and Number: BTEX	PAH	OA2	Metals	Cyanide	pH	Comments (Field PID)	Lab ID #'s
B848 2.0-3.0'	5/7	1545	X					5	X	X						08050415-029
B848 9.0'-10.0'	5/7	1555	X					5	X	X						030
B848 13.0-14.0'	5/7	1610	X					5	X	X						031
B847 6.0-7.0'	5/7	1647	X					5	X	X						032
B847 22.0-23.0	5/7	1718	X					5	X	X	X					033
B809 2.0-3.0'	5/8	0945	X					5	X	X		X	X	X		034
B809 9.0-10.0'	5/8	0958	X					5	X	X		X	X	X		035
B809 15.0-16.0'	5/8	1015	X					5	X	X		X	X			036
~~B-847 18.5-19.5'~~	~~5/7~~	~~1710~~	~~X~~					~~5~~	~~X~~	~~X~~	~~X~~				No Sample provided — DOI 5/9/08	
B-847 29.0-30.0'	5/7	1730	X					5	X	X						037

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics . . . Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) . . . Sodium Bisulfate/Methanol
- ☐ TPH . . . Hydrochloric acid and/or Sulfuric acid
- ☐ Metals . . . Nitric acid (HNO_3)
- ☐ Cyanide . . . Sodium hydroxide (NaOH)
- ☐ Other (Specify) . . . _____

Lab Directives:

Requested TAT ☐ Rush ☐ 5 Days ☒ STD ☐ Other _____
Fax and/or Mail Results to: Derek Ingram
Send Invoice to _____
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____
Special Guidelines _____
Reporting Limits _____
* Special _____

Shipping:

Carrier / Airbill No

Relinquished by:

Signature	Date	Time
Leslie Hoosier	5/9	1720

Received by:

Signature	Date	Time
Elizabeth A Hurley	5/9/08	1720

Distribution E to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be C[illegible] d by Lab

PE-179 (6/03)

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

08050415

COC Serial No. B 08655

Project Name: Ameren P Champaign | Project Mgr.: Derek Ingram
Project Number: 62403053 | Cost Code: 024501
Sampler(s): L. Hoosier / R. Huson
Laboratory Name: TekLab
Location: Collinsville

Laboratory Temperature upon Receipt: 4.6°C (ice)

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	Analyses by Method Name and Number: BTEX	PAH	OA2	Methods	Cyanide	Comments (Field PID)	Lab ID #'s
B850 8.0-9.0	5-8	1130	X					5	X	X	X	X	X		08050415-038
B850 16.0-17.0'	5/8	1205	X					5	X	X	X	X	X		039
B-850 25.0'-26.0'	5/8	1255	X					5	X	X					040

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics . . . . . Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) . . . . . Sodium Bisulfate/Methanol
- ☐ TPH . . . . . Hydrochloric acid and/or Sulfuric acid
- ☐ Metals . . . . . Nitric acid (HNO_3)
- ☐ Cyanide . . . . . Sodium hydroxide (NaOH)
- ☐ Other (Specify) . . . . . _____

Lab Directives:

Requested TAT ☐ Rush ☐ 5 Days ☒ STD ☐ Other _____
Fax and/or Mail Results to: Derek Ingram
Send Invoice to _____
QC Deliverable Requested ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____
Special Guidelines _____
Reporting Limits _____
* Special _____

Shipping:

Carrier / Airbill No

Relinquished by:

Signature	Date	Time
Leslie Hoosier	5/9	1720

Received by:

Signature	Date	Time
Elizabeth A Hurley	5/9/08	1720

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Co *d by Lab*

PE-179 (6/03)

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

June 04, 2008

John Linnemann
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH

NELAP Accredited #100226

RE: Ameren Champaign

WorkOrder: 08051056

Dear John Linnemann:

TEKLAB, INC received 1 sample on 5/29/2008 3:35:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056
Report Date: 04-Jun-08

SAMPLE SUMMARY

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08051056-001	Waste Water	5	5/29/2008 1.30.00 PM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental
Project: Ameren Champaign
LabOrder: 08051056
Report Date: 04-Jun-08

CASE NARRATIVE

Cooler Receipt Temp: 13.0 °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Qualifiers		
DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	**#** - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08051056
Lab ID: 08051056-001
Report Date: 04-Jun-08

Client Project: Ameren Champaign
Client Sample ID: Waste Water
Collection Date: 5/29/2008 1.30:00 PM
Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA 600 410.4								
Chemical Oxygen Demand	NELAP	50		**617**	mg/L	1	6/2/2008	BSJ
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1 00		**12.3**		1	5/30/2008 12 28 00 PM	LMK
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0 0250		**0 0686**	mg/L	1	5/30/2008 5 38 23 PM	LAL
Barium	NELAP	0 0050		**0.248**	mg/L	1	5/30/2008 5 38 23 PM	LAL
Cadmium	NELAP	0 0020		**< 0.0020**	mg/L	1	5/30/2008 5 38 23 PM	LAL
Chromium	NELAP	0 0100		**0.112**	mg/L	1	5/30/2008 5 38 23 PM	LAL
Lead	NELAP	0 0400		**0.0885**	mg/L	1	5/30/2008 5 38 23 PM	LAL
Selenium	NELAP	0 0500		**< 0 0500**	mg/L	1	5/30/2008 5 38 23 PM	LAL
Silver	NELAP	0 0100		**< 0.0100**	mg/L	1	5/30/2008 5 38 23 PM	LAL
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 00010		**0.00124**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Acenaphthylene	NELAP	0 00010		**0.00096**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Anthracene	NELAP	0 00010		**0 00032**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Benzo(a)anthracene	NELAP	0 00010		**0.00017**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Benzo(a)pyrene	NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Bis(2-ethylhexyl)phthalate	NELAP	0 00200		**0.00395**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Chrysene	NELAP	0 00010		**0.00012**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Diethyl phthalate	NELAP	0 00100		**ND**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Dimethyl phthalate	NELAP	0 00100		**ND**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Di-n-butyl phthalate	NELAP	0 00100		**ND**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Fluoranthene	NELAP	0 00010		**0.00044**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Fluorene	NELAP	0 00010		**0.00083**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 32 00 PM	TDN
m,p-Cresol	NELAP	0 00010		**0.00090**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Naphthalene	NELAP	0 00010		**0 0110**	mg/L	1	5/30/2008 10 32 00 PM	TDN
o-Cresol	NELAP	0 00010		**0.00021**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Phenanthrene	NELAP	0 00010		**0 00202**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Pyrene	NELAP	0 00010		**0.00055**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Total PNAs except Naphthalene		0 00013		**0.00665**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Surr 2-Fluorobiphenyl		41 1-108		**66.6**	%REC	1	5/30/2008 10 32 00 PM	TDN
Surr 2-Fluorophenol		16 8-65 9		**34.0**	%REC	1	5/30/2008 10 32 00 PM	TDN
Surr Nitrobenzene-d5		37 6-105		**65.0**	%REC	1	5/30/2008 10 32 00 PM	TDN

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08051056
Lab ID: 08051056-001
Report Date: 04-Jun-08

Client Project: Ameren Champaign
Client Sample ID: Waste Water
Collection Date: 5/29/2008 1.30 00 PM
Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Surr Phenol-d5		11-42 8		**21.8**	%REC	1	5/30/2008 10 32 00 PM	TDN
Surr p-Terphenyl-d14		49-113		**50.2**	%REC	1	5/30/2008 10 32 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2 0		**5 2**	µg/L	1	6/2/2008 3 55 00 PM	CCF
Ethylbenzene	NELAP	5 0	J	**2 1**	µg/L	1	6/2/2008 3 55 00 PM	CCF
Toluene	NELAP	5 0	J	**1.4**	µg/L	1	6/2/2008 3 55 00 PM	CCF
Xylenes, Total	NELAP	5 0	J	**2 8**	µg/L	1	6/2/2008 3 55 00 PM	CCF
Surr 1,2-Dichloroethane-d4		74 7-129		**103.2**	%REC	1	6/2/2008 3 55 00 PM	CCF
Surr 4-Bromofluorobenzene		86-119		**100.4**	%REC	1	6/2/2008 3 55 00 PM	CCF
Surr Dibromofluoromethane		81 7-123		**102.3**	%REC	1	6/2/2008 3 55 00 PM	CCF
Surr Toluene-d8		84 3-114		**98.1**	%REC	1	6/2/2008 3 55 00 PM	CCF
SW-846 7470A (TOTAL)								
Mercury	NELAP	0 00020	J	**0 00010**	mg/L	1	6/3/2008	MEK

Sample Narrative

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Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056
Report Date: 04-Jun-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08051056-001A	Waste Water	5/29/2008	Waste Water	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/29/2008	5/30/2008
08051056-001B				Standard Method 18th Ed 4500-H B, Laboratory Analyzed		5/30/2008
08051056-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	5/29/2008	5/30/2008
				SW-846 7470A (Total)	6/2/2008	6/3/2008
08051056-001D				EPA 600 410 4		6/2/2008
08051056-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/31/2008	5/31/2008
				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	6/2/2008	6/2/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056 **Report Date:** *04-Jun-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_COD_E_AT

Sample ID	MB-R108844	SampType	MBLK			Units	mg/L	Prep Date			RunNo	108844	
Client ID	ZZZZZZ	Batch ID	R108844			Analysis Date	6/2/2008				SeqNo	1965187	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chemical Oxygen Demand		< 0	0										

Sample ID	LCS-R108844	SampType	LCS			Units	mg/L	Prep Date			RunNo	108844	
Client ID	ZZZZZZ	Batch ID	R108844			Analysis Date	6/2/2008				SeqNo	1965188	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chemical Oxygen Demand		209	50	200 0	0	104 6	76	115					

Sample ID	08051056-001DMS	SampType	MS			Units	mg/L	Prep Date			RunNo	108844	
Client ID	Waste WaterMS	Batch ID	R108844			Analysis Date	6/2/2008				SeqNo	1965202	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chemical Oxygen Demand		1610	100	1000	617 0	99 6	85	115					

Sample ID	08051056-001DMSD	SampType	MSD			Units	mg/L	Prep Date			RunNo	108844	
Client ID	Waste WaterMSD	Batch ID	R108844			Analysis Date	6/2/2008				SeqNo	1965203	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chemical Oxygen Demand		1600	100	1000	617 0	98 7	85	115	1613	0 572	10		

Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056 **Report Date:** *04-Jun-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_PH_M_AT_NF

Sample ID	LCS-R108819	SampType	LCS			Units		Prep Date		RunNo	108819	
Client ID	ZZZZZZ	Batch ID	R108819					Analysis Date	5/30/2008	SeqNo	1964861	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab pH	7 01	1 00	7 000	0	100 1	99 1	100 9					

Sample ID	08051056-001BDUP	SampType	DUP			Units		Prep Date		RunNo	108819	
Client ID	Waste WaterDUP	Batch ID	R108819					Analysis Date	5/30/2008	SeqNo	1964864	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab pH	12 3	1 00						12 29	0 325	10		

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056 **Report Date:** *04-Jun-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID	MB-45208	SampType	MBLK	Units	mg/L	Prep Date	5/29/2008	RunNo	108738
Client ID	ZZZZZZ	Batch ID	45208		SOP 3034	Analysis Date	5/30/2008	SeqNo	1964137

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0 0250	0 0250	0 02500	0	0	-100	100				
Barium	< 0 0050	0 0050	0 005000	0	0	-100	100				
Cadmium	< 0 0020	0 0020	0 002000	0	0	-100	100				
Chromium	< 0 0100	0 0100	0 01000	0	0	-100	100				
Lead	< 0 0400	0 0400	0 04000	0	0	-100	100				
Selenium	< 0 0500	0 0500	0 05000	0	0	-100	100				
Silver	0 0035	0 0100	0 01000	0	35 0	-100	100				J

Sample ID	LCS-45208	SampType	LCS	Units	mg/L	Prep Date	5/29/2008	RunNo	108738
Client ID	ZZZZZZ	Batch ID	45208		SOP 3034	Analysis Date	5/30/2008	SeqNo	1964140

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2 06	0 0250	2 000	0	103 0	85	115				
Barium	2 04	0 0050	2 000	0	102 2	85	115				
Cadmium	0 0512	0 0020	0 05000	0	102 4	85	115				
Chromium	0 199	0 0100	0 2000	0	99 5	85	115				
Lead	0 510	0 0400	0 5000	0	102 0	85	115				
Selenium	1 98	0 0500	2 000	0	99 1	85	115				
Silver	0 0496	0 0100	0 05000	0	99 2	85	115				

Sample ID	08051056-001CMS	SampType	MS	Units	mg/L	Prep Date	5/29/2008	RunNo	108738
Client ID	Waste WaterMS	Batch ID	45208		SOP 3034	Analysis Date	5/30/2008	SeqNo	1964147

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2 08	0 0250	2 000	0 06860	100 5	75	125				
Barium	2 06	0 0050	2 000	0 2483	90 5	75	125				
Cadmium	0 0452	0 0020	0 05000	0	90 4	75	125				
Chromium	0 303	0 0100	0 2000	0 1124	95 5	75	125				
Lead	0 537	0 0400	0 5000	0 08850	89 7	75	125				
Selenium	2 00	0 0500	2 000	0	100	75	125				

Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056 **Report Date:** *04-Jun-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID	08051056-001CMS	SampType	MS	Units	mg/L	Prep Date	5/29/2008	RunNo	108738
Client ID	Waste WaterMS	Batch ID	45208		SOP 3034	Analysis Date	5/30/2008	SeqNo	1964147

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	0 0455	0 0100	0 05000	0	91 0	75	125				

Sample ID	08051056-001CMSD	SampType	MSD	Units	mg/L	Prep Date	5/29/2008	RunNo	108738
Client ID	Waste WaterMSD	Batch ID	45208		SOP 3034	Analysis Date	5/30/2008	SeqNo	1964148

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2 04	0 0250	2 000	0 06860	98 8	75	125	2 079	1 65	20	
Barium	2 05	0 0050	2 000	0 2483	90 1	75	125	2 058	0 389	20	
Cadmium	0 0444	0 0020	0 05000	0	88 8	75	125	0 04520	1 79	20	
Chromium	0 303	0 0100	0 2000	0 1124	95 2	75	125	0 3034	0 198	20	
Lead	0 532	0 0400	0 5000	0 08850	88 8	75	125	0 5372	0 916	20	
Selenium	1 96	0 0500	2 000	0	98 0	75	125	2 000	2 07	20	
Silver	0 0465	0 0100	0 05000	0	93 0	75	125	0 04550	2 17	20	

Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056 **Report Date:** *04-Jun-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_HG_AQ_S

Sample ID	MB-45255	SampType	MBLK			Units	mg/L	Prep Date	6/2/2008		RunNo	108882	
Client ID	ZZZZZZ	Batch ID	45255			SOP 3062		Analysis Date	6/3/2008		SeqNo	1966065	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		< 0 00020	0 00020	0 0002000	0	0	-100	100					

Sample ID	LCS-45255	SampType	LCS			Units	mg/L	Prep Date	6/2/2008		RunNo	108882	
Client ID	ZZZZZZ	Batch ID	45255			SOP 3062		Analysis Date	6/3/2008		SeqNo	1966066	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		0 00513	0 00020	0 005000	0	102 6	85	115					

Sample ID	08051056-001CMS	SampType	MS			Units	mg/L	Prep Date	6/2/2008		RunNo	108882	
Client ID	Waste WaterMS	Batch ID	45255			SOP 3062		Analysis Date	6/3/2008		SeqNo	1966074	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		0 00478	0 00020	0 005000	0 0001000	93 6	75	125					

Sample ID	08051056-001CMSD	SampType	MSD			Units	mg/L	Prep Date	6/2/2008		RunNo	108882	
Client ID	Waste WaterMSD	Batch ID	45255			SOP 3062		Analysis Date	6/3/2008		SeqNo	1966075	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		0 00521	0 00020	0 005000	0 0001000	102 2	75	125	0 004780	8 61	15		

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_W_SIMS

Sample ID	MB-45188	SampType	MBLK			Units	mg/L	Prep Date	5/29/2008	RunNo	108701
Client ID	ZZZZZZ	Batch ID	45188				SW3510C	Analysis Date	5/29/2008	SeqNo	1962685

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 00010									
Acenaphthylene	ND	0 00010									
Anthracene	ND	0 00010									
Benzo(a)anthracene	ND	0 00010									
Benzo(a)pyrene	ND	0 00010									
Benzo(b)fluoranthene	ND	0 00010									
Benzo(g,h,i)perylene	ND	0 00010									
Benzo(k)fluoranthene	ND	0 00010									
Chrysene	ND	0 00010									
Dibenzo(a,h)anthracene	ND	0 00010									
Fluoranthene	ND	0 00010									
Fluorene	ND	0 00010									
Indeno(1,2,3-cd)pyrene	ND	0 00010									
Naphthalene	ND	0 00010									
Phenanthrene	ND	0 00010									
Pyrene	ND	0 00010									
Total PNAs except Naphthalene	ND	0 00013									
Surr 2-Fluorobiphenyl	0 00347		0 005000		69 4	45 7	108				
Surr Nitrobenzene-d5	0 00340		0 005000		68 0	39 4	112				
Surr p-Terphenyl-d14	0 00370		0 005000		74 0	58 6	130				

Sample ID	LCS-45188	SampType	LCS			Units	mg/L	Prep Date	5/29/2008	RunNo	108701
Client ID	ZZZZZZ	Batch ID	45188				SW3510C	Analysis Date	5/29/2008	SeqNo	1962686

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 00342	0 00010	0 005000	0	68 4	50 1	103				
Acenaphthylene	0 00451	0 00010	0 005000	0	90 2	53 3	122				
Anthracene	0 00369	0 00010	0 005000	0	73 9	57 4	110				
Benzo(a)anthracene	0 00361	0 00010	0 005000	0	72 2	56	102				
Benzo(a)pyrene	0 00398	0 00010	0 005000	0	79 6	55 4	125				
Benzo(b)fluoranthene	0 00391	0 00010	0 005000	0	78 1	59 3	127				

Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056 **Report Date:** *04-Jun-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_W_SIMS

Sample ID **LCS-45188**	SampType **LCS**			Units **mg/L**		Prep Date **5/29/2008**		RunNo **108701**		
Client ID **ZZZZZZ**	Batch ID **45188**			**SW3510C**		Analysis Date **5/29/2008**		SeqNo **1962686**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(g,h,i)perylene	0 00416	0 00010	0 005000	0	83 1	58 4	125				
Benzo(k)fluoranthene	0 00395	0 00010	0 005000	0	78 9	61 5	125				
Chrysene	0 00389	0 00010	0 005000	0	77 8	58 7	118				
Dibenzo(a,h)anthracene	0 00413	0 00010	0 005000	0	82 7	59 3	126				
Fluoranthene	0 00355	0 00010	0 005000	0	71 0	60 1	117				
Fluorene	0 00369	0 00010	0 005000	0	73 8	54 1	110				
Indeno(1,2,3-cd)pyrene	0 00408	0 00010	0 005000	0	81 6	58 1	123				
Naphthalene	0 00282	0 00010	0 005000	0	56 3	36 3	97 1				
Phenanthrene	0 00372	0 00010	0 005000	0	74 3	55 9	107				
Pyrene	0 00372	0 00010	0 005000	0	74 4	61 4	116				
Surr 2-Fluorobiphenyl	0 00336		0 005000		67 2	41 9	97 9				
Surr Nitrobenzene-d5	0 00344		0 005000		68 8	39 9	106				
Surr p-Terphenyl-d14	0 00373		0 005000		74 6	53	116				

Sample ID **LCSD-45188**	SampType **LCSD**			Units **mg/L**		Prep Date **5/29/2008**		RunNo **108701**			
Client ID **ZZZZZZ**	Batch ID **45188**			**SW3510C**		Analysis Date **5/29/2008**		SeqNo **1962687**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 00331	0 00010	0 005000	0	66 2	50 1	103	0 003420	3 30	50	
Acenaphthylene	0 00441	0 00010	0 005000	0	88 3	53 3	122	0 004509	2 13	50	
Anthracene	0 00358	0 00010	0 005000	0	71 7	57 4	110	0 003693	3 00	50	
Benzo(a)anthracene	0 00342	0 00010	0 005000	0	68 3	56	102	0 003610	5 49	50	
Benzo(a)pyrene	0 00378	0 00010	0 005000	0	75 6	55 4	125	0 003981	5 15	50	
Benzo(b)fluoranthene	0 00369	0 00010	0 005000	0	73 8	59 3	127	0 003906	5 71	50	
Benzo(g,h,i)perylene	0 00396	0 00010	0 005000	0	79 3	58 4	125	0 004157	4 75	50	
Benzo(k)fluoranthene	0 00372	0 00010	0 005000	0	74 5	61 5	125	0 003947	5 81	50	
Chrysene	0 00372	0 00010	0 005000	0	74 4	58 7	118	0 003888	4 42	50	
Dibenzo(a,h)anthracene	0 00389	0 00010	0 005000	0	77 9	59 3	126	0 004133	5 98	50	
Fluoranthene	0 00345	0 00010	0 005000	0	68 9	60 1	117	0 003549	2 97	50	
Fluorene	0 00358	0 00010	0 005000	0	71 7	54 1	110	0 003689	2 89	50	
Indeno(1,2,3-cd)pyrene	0 00386	0 00010	0 005000	0	77 2	58 1	123	0 004080	5 52	50	

Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056 **Report Date:** *04-Jun-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_W_SIMS

Sample ID **LCSD-45188**	SampType **LCSD**			Units **mg/L**		Prep Date **5/29/2008**		RunNo **108701**		
Client ID **ZZZZZZ**	Batch ID **45188**			**SW3510C**		Analysis Date **5/29/2008**		SeqNo **1962687**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0 00290	0 00010	0 005000	0	57 9	36 3	97 1	0 002816	2 80	50	
Phenanthrene	0 00361	0 00010	0 005000	0	72 2	55 9	107	0 003716	2 89	50	
Pyrene	0 00348	0 00010	0 005000	0	69 7	61 4	116	0 003718	6 47	50	
Surr 2-Fluorobiphenyl	0 00311		0 005000		62 2	41 9	97 9		0	50	
Surr Nitrobenzene-d5	0 00365		0 005000		73 0	39 9	106		0	50	
Surr p-Terphenyl-d14	0 00341		0 005000		68 2	53	116		0	50	

Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056 **Report Date:** *04-Jun-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_W

Sample ID	LCS-T080530-2	SampType	LCS			Units	µg/L		Prep Date	5/31/2008		RunNo	108826	
Client ID	ZZZZZZ	Batch ID	45261			SW5030			Analysis Date	5/31/2008		SeqNo	1964915	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene		57 6	2 0	50 00	0	115 2	82 7	117						
Toluene		51 4	5 0	50 00	0	102 9	79 6	116						
Ethylbenzene		55 7	5 0	50 00	0	111 4	83	113						
Xylenes, Total		110	5 0	100 0	0	110 2	80 3	120						
Surr 1,2-Dichloroethane-d4		40 9		50 00		81 9	74 7	129						
Surr 4-Bromofluorobenzene		48 0		50 00		96 0	86	119						
Surr Dibromofluoromethane		46 6		50 00		93 1	81 7	123						
Surr Toluene-d8		46 1		50 00		92 2	84 3	114						

Sample ID	LCSD-T080530-2	SampType	LCSD			Units	µg/L		Prep Date	5/31/2008		RunNo	108826	
Client ID	ZZZZZZ	Batch ID	45261			SW5030			Analysis Date	5/31/2008		SeqNo	1964916	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene		55 0	2 0	50 00	0	110 0	82 7	117	57 58	4 58	20			
Toluene		49 3	5 0	50 00	0	98 7	79 6	116	51 45	4 19	20			
Ethylbenzene		52 6	5 0	50 00	0	105 2	83	113	55 68	5 65	20			
Xylenes, Total		105	5 0	100 0	0	105 4	80 3	120	110 2	4 43	0			
Surr 1,2-Dichloroethane-d4		40 2		50 00		80 3	74 7	129		0	0			
Surr 4-Bromofluorobenzene		46 1		50 00		92 2	86	119		0	0			
Surr Dibromofluoromethane		46 2		50 00		92 5	81 7	123		0	0			
Surr Toluene-d8		45 6		50 00		91 3	84 3	114		0	0			

Sample ID	MBLK-T080530-2	SampType	MBLK			Units	µg/L		Prep Date	5/31/2008		RunNo	108826	
Client ID	ZZZZZZ	Batch ID	45261			SW5030			Analysis Date	5/31/2008		SeqNo	1964917	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene		ND	2 0											
Toluene		ND	5 0											
Ethylbenzene		ND	5 0											
Xylenes, Total		ND	5 0											

Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056 **Report Date:** *04-Jun-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_W

Sample ID	MBLK-T080530-2	SampType	MBLK			Units	µg/L		Prep Date	5/31/2008		RunNo	108826	
Client ID	ZZZZZZ	Batch ID	45261			SW5030			Analysis Date	5/31/2008		SeqNo	1964917	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Surr 1,2-Dichloroethane-d4		38 8		50 00		77 6	74 7	129						
Surr 4-Bromofluorobenzene		46 7		50 00		93 3	86	119						
Surr Dibromofluoromethane		45 2		50 00		90 4	81 7	123						
Surr Toluene-d8		46 8		50 00		93 6	84 3	114						

Sample ID	LCS-N080602-1	SampType	LCS			Units	µg/L		Prep Date	6/2/2008		RunNo	108841	
Client ID	ZZZZZZ	Batch ID	45266			SW5030			Analysis Date	6/2/2008		SeqNo	1965149	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene		47 8	2 0	50 00	0	95 7	82 7	117						
Toluene		46 8	5 0	50 00	0	93 6	79 6	116						
Ethylbenzene		47 8	5 0	50 00	0	95 6	83	113						
Xylenes, Total		94 6	5 0	100 0	0	94 6	80 3	120						
Surr 1,2-Dichloroethane-d4		50 0		50 00		99 9	74 7	129						
Surr 4-Bromofluorobenzene		50 6		50 00		101 2	86	119						
Surr Dibromofluoromethane		50 2		50 00		100 3	81 7	123						
Surr Toluene-d8		50 1		50 00		100 1	84 3	114						

Sample ID	LCSD-N080602-1	SampType	LCSD			Units	µg/L		Prep Date	6/2/2008		RunNo	108841	
Client ID	ZZZZZZ	Batch ID	45266			SW5030			Analysis Date	6/2/2008		SeqNo	1965150	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene		45 5	2 0	50 00	0	91 0	82 7	117	47 84	5 04	20			
Toluene		45 6	5 0	50 00	0	91 2	79 6	116	46 79	2 58	20			
Ethylbenzene		45 7	5 0	50 00	0	91 5	83	113	47 80	4 43	20			
Xylenes, Total		90 6	5 0	100 0	0	90 6	80 3	120	94 56	4 24	0			
Surr 1,2-Dichloroethane-d4		48 1		50 00		96 1	74 7	129		0	0			
Surr 4-Bromofluorobenzene		51 0		50 00		101 9	86	119		0	0			
Surr Dibromofluoromethane		50 5		50 00		101 0	81 7	123		0	0			
Surr Toluene-d8		50 1		50 00		100 3	84 3	114		0	0			

Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056 **Report Date:** *04-Jun-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_W

Sample ID	MBLK-N080602-1	SampType	MBLK			Units	µg/L	Prep Date	6/2/2008	RunNo	108841
Client ID	ZZZZZZ	Batch ID	45266				SW5030	Analysis Date	6/2/2008	SeqNo	1965151

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2 0									
Toluene	ND	5 0									
Ethylbenzene	ND	5 0									
Xylenes, Total	ND	5 0									
Surr 1,2-Dichloroethane-d4	51 7		50 00		103 4	74 7	129				
Surr 4-Bromofluorobenzene	52 7		50 00		105 3	86	119				
Surr Dibromofluoromethane	51 2		50 00		102 3	81 7	123				
Surr Toluene-d8	49 9		50 00		99 9	84 3	114				

Sample ID	08051056-001EMS	SampType	MS			Units	µg/L	Prep Date	6/2/2008	RunNo	108841
Client ID	Waste WaterMS	Batch ID	45266				SW5030	Analysis Date	6/2/2008	SeqNo	1966353

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	40 9	2 0	44 00	5 160	81 3	57 8	125				
Toluene	38 1	5 0	44 00	1 450	83 3	75 8	123				
Ethylbenzene	38 7	5 0	44 00	2 080	83 3	72 8	123				
Xylenes, Total	71 4	5 0	88 00	2 780	78 0	73	127				
Surr 1,2-Dichloroethane-d4	51 6		50 00		103 2	74 7	129				
Surr 4-Bromofluorobenzene	50 7		50 00		101 5	86	119				
Surr Dibromofluoromethane	51 4		50 00		102 9	81 7	123				
Surr Toluene-d8	49 5		50 00		98 9	84 3	114				

Sample ID	08051056-001EMSD	SampType	MSD			Units	µg/L	Prep Date	6/2/2008	RunNo	108841
Client ID	Waste WaterMSD	Batch ID	45266				SW5030	Analysis Date	6/2/2008	SeqNo	1966354

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	39 5	2 0	44 00	5 160	78 1	57 8	125	40 92	3 46	20	
Toluene	39 5	5 0	44 00	1 450	86 4	75 8	123	38 09	3 53	20	
Ethylbenzene	40 1	5 0	44 00	2 080	86 3	72 8	123	38 72	3 40	20	
Xylenes, Total	77 7	5 0	88 00	2 780	85 1	73	127	71 44	8 37	20	

Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056 **Report Date:** *04-Jun-08*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_W

Sample ID **08051056-001EMSD**	SampType **MSD**		Units **µg/L**		Prep Date **6/2/2008**		RunNo **108841**		
Client ID **Waste WaterMSD**	Batch ID **45266**		**SW5030**		Analysis Date **6/2/2008**		SeqNo **1966354**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr 1,2-Dichloroethane-d4	50 4		50 00		100 8	74 7	129		0	0	
Surr 4-Bromofluorobenzene	50 3		50 00		100 6	86	119		0	0	
Surr Dibromofluoromethane	50 3		50 00		100 5	81 7	123		0	0	
Surr Toluene-d8	50 4		50 00		100 9	84 3	114		0	0	

IL ELAP and NELAP Accredited - Accreditation #100226

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

RECEIVING CHECK LIST

Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056
Report Date: 04-Jun-08

Carrier: John Linnemann

Received By: BMP

Completed by: Erin Clarke
On: 29-May-08

Reviewed by: Marvin L. Darling II
On: 30-May-08

Pages to follow | Chain of custody: 1 | Extra pages included: 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 13 0
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑	
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured	Field ☐	Lab ☑	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0 1°C - 6 0°C, or when samples are received on ice the same day as collected

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	

Any No responses must be detailed below or on the COC

Additional nitric acid was needed upon arrival at the laboratory EDC 5/29/08

Chain of Custody Rec d

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230
(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

0805.056

COC Serial No. B 09001

Project Name: AMEREN CHAMPAIGN Project Mgr.: J LINNEMANN
Project Number: Cost Code:
Sampler(s): JOHN LINNEMANN
Laboratory Name: TEKLAB
Location: Collinsville

Laboratory Temperature upon Receipt: 13.0 BMP

Analyses by Method Name and Number

Sample Number and (depth)	Date	Time	Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX	PAH SIMS	RCRA METALS (8)	COD	PH						Comments (Field PID)	Lab ID #'s
WASTE WATER	5/29/08	13:30		X				6	X	X	X	X	X							08051056-001

Lab spc Added HNO_3 ⊖ head.

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☑ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☑ Metals ..... Nitric acid (HNO_3)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT. ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: JLINNEMANN@PSCNOW.COM
Send Invoice to. SAME
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
John Linnemann	5/29/08	15:35

Received by:

Signature	Date	Time
Brianne Piggott	5/29/08	15:35

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

E

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

June 02, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH

NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign 62403053 **WorkOrder:** 08050900

Dear Derek Ingram:

TEKLAB, INC received 26 samples on 5/23/2008 12:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

Client: Philip Environmental

SAMPLE SUMMARY

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050900
Report Date: 02-Jun-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08050900-001	Trip Blank	1	5/12/2008 12 30 00 PM
08050900-002	VMW 115	4	5/20/2008 9 30 00 AM
08050900-003	VMW114	4	5/20/2008 11 50.00 AM
08050900-004	VMW113	4	5/20/2008 1 10 00 PM
08050900-005	VMW107	4	5/20/2008 3 05 00 PM
08050900-006	VMW116	4	5/20/2008 4 40 00 PM
08050900-007	VMW106	4	5/21/2008 10 40 00 AM
08050900-008	VMW105	4	5/21/2008 10 41 00 AM
08050900-009	VMW121	4	5/21/2008 12 40 00 PM
08050900-010	VMW108	4	5/20/2008 1 40 00 PM
08050900-011	VMW302	4	5/21/2008 1 43.00 PM
08050900-012	VMW302D	4	5/21/2008 1 51 00 PM
08050900-013	VMW110	4	5/21/2008 3 55 00 PM
08050900-014	VWM117	4	5/21/2008 4 45 00 PM
08050900-015	VMW301	4	5/21/2008 5 00 00 PM
08050900-016	VMW104	4	5/22/2008 9 02 00 AM
08050900-017	VMW102	4	5/22/2008 9.45 00 AM
08050900-018	VMW120	4	5/22/2008 10 01.00 AM
08050900-019	VMW119	4	5/22/2008 11 11 00 AM
08050900-020	VMW111A	4	5/22/2008 11 50:00 AM
08050900-021	VMW303	4	5/22/2008 1 27.00 PM
08050900-022	VMW303D	4	5/22/2008 1 34 00 PM
08050900-023	VMW304	4	5/22/2008 2 38 00 PM
08050900-024	VMW118	4	5/22/2008 3 39 00 PM
08050900-025	VMW109	4	5/22/2008 3 40 00 PM
08050900-026	VMW300	4	5/23/2008 8 00 00 AM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

Client: Philip Environmental

CASE NARRATIVE

Project: A831-735002-012901-225/IP Champaign 62403053

LabOrder: 08050900

Report Date: 02-Jun-08

Cooler Receipt Temp: 0.2 °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Qualifiers		
DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	# - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-001
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: Trip Blank
Collection Date: 5/12/2008 12:30:00 PM
Matrix: TRIP BLANK

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2 0		**ND**	µg/L	1	5/23/2008 10 19 00 PM	TAL
Ethylbenzene	NELAP	5 0		**ND**	µg/L	1	5/23/2008 10 19 00 PM	TAL
Toluene	NELAP	5 0		**ND**	µg/L	1	5/23/2008 10 19 00 PM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	5/23/2008 10 19 00 PM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**94.0**	%REC	1	5/23/2008 10 19 00 PM	TAL
Surr 4-Bromofluorobenzene		86-119		**101.8**	%REC	1	5/23/2008 10 19 00 PM	TAL
Surr Dibromofluoromethane		81 7-123		**98 5**	%REC	1	5/23/2008 10 19 00 PM	TAL
Surr Toluene-d8		84 3-114		**94 3**	%REC	1	5/23/2008 10 19 00 PM	TAL

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-002
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW 115
Collection Date: 5/20/2008 9:30:00 AM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 070		**2 67**	mg/L	10	5/29/2008 5 10 46 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0 0100**	mg/L	1	5/27/2008 10 44 30 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030		**0.0107**	mg/L	1	5/27/2008 7 47 22 PM	JMW
Lead	7421	NELAP	0 0020		**< 0.0020**	mg/L	1	5/29/2008 4 43 20 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**0 00390**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**0.00115**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Anthracene		NELAP	0 00010		**0.00021**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Fluorene		NELAP	0 00010		**0.00139**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Naphthalene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**0.00665**	mg/L	1	5/28/2008 7 46 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**65.2**	%REC	1	5/28/2008 7 46 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**41.4**	%REC	1	5/28/2008 7 46 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**66 8**	%REC	1	5/28/2008 7 46 00 PM	TDN
Surr Phenol-d5			11-42 8		**23.5**	%REC	1	5/28/2008 7 46 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**65 4**	%REC	1	5/28/2008 7 46 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**11.6**	µg/L	1	5/27/2008 3 54 00 PM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	5/27/2008 3 54 00 PM	TAL

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-002
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW 115
Collection Date: 5/20/2008 9 30:00 AM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/27/2008 3 54 00 PM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	5/27/2008 3 54 00 PM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**117.7**	%REC	1	5/27/2008 3 54 00 PM	TAL
Surr 4-Bromofluorobenzene		86-119		**92.9**	%REC	1	5/27/2008 3 54 00 PM	TAL
Surr Dibromofluoromethane		81 7-123		**111 9**	%REC	1	5/27/2008 3 54 00 PM	TAL
Surr Toluene-d8		84 3-114		**97.5**	%REC	1	5/27/2008 3 54 00 PM	TAL

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-003
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW114
Collection Date: 5/20/2008 11:50:00 AM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 070		**2 28**	mg/L	10	5/29/2008 5 15 09 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0.0100**	mg/L	1	5/27/2008 10 49 39 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030		**0.0194**	mg/L	1	5/27/2008 7 50 44 PM	JMW
Lead	7421	NELAP	0 0020		**< 0.0020**	mg/L	1	5/29/2008 3 21 56 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00050		**0.0729**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Acenaphthylene		NELAP	0 00050		**0 0217**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Anthracene		NELAP	0 00050		**0.00095**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Benzo(a)anthracene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Benzo(a)pyrene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Benzo(b)fluoranthene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Benzo(g,h,i)perylene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Benzo(k)fluoranthene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 0100		**ND**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Chrysene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Diethyl phthalate		NELAP	0 00500		**ND**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Dimethyl phthalate		NELAP	0 00500		**ND**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Di-n-butyl phthalate		NELAP	0 00500		**ND**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Fluoranthene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Fluorene		NELAP	0 00050		**0.0150**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 11 39 00 AM	TDN
m,p-Cresol		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Naphthalene		NELAP	0 0250		**4 61**	mg/L	250	5/28/2008 12 15 00 PM	TDN
o-Cresol		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Phenanthrene		NELAP	0 00050		**0.00522**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Pyrene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Total PNAs except Naphthalene			0 00065		**0 116**	mg/L	5	5/28/2008 11 39 00 AM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**64.0**	%REC	5	5/28/2008 11 39 00 AM	TDN
Surr 2-Fluorophenol			16 8-65 9		**39.0**	%REC	5	5/28/2008 11 39 00 AM	TDN
Surr Nitrobenzene-d5			37 6-105		**63.0**	%REC	5	5/28/2008 11 39 00 AM	TDN
Surr Phenol-d5			11-42 8		**26 0**	%REC	5	5/28/2008 11 39 00 AM	TDN
Surr p-Terphenyl-d14			49-113		**64.0**	%REC	5	5/28/2008 11 39 00 AM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	200		**1320**	µg/L	100	5/23/2008 11 48 00 PM	TAL
Ethylbenzene		NELAP	500		**1230**	µg/L	100	5/23/2008 11 48 00 PM	TAL

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-003
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW114
Collection Date: 5/20/2008 11 50:00 AM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	500	J	**150**	µg/L	100	5/23/2008 11 48 00 PM	TAL
Xylenes, Total	NELAP	500		**1010**	µg/L	100	5/23/2008 11 48 00 PM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**92.7**	%REC	100	5/23/2008 11 48 00 PM	TAL
Surr 4-Bromofluorobenzene		86-119		**104 2**	%REC	100	5/23/2008 11 48 00 PM	TAL
Surr Dibromofluoromethane		81 7-123		**97.7**	%REC	100	5/23/2008 11 48 00 PM	TAL
Surr Toluene-d8		84 3-114		**94.6**	%REC	100	5/23/2008 11 48 00 PM	TAL

Sample Narrative

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Elevated reporting limit due to high levels of target and/or non-target analytes

SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS
Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-004
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW113
Collection Date: 5/20/2008 1:10:00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 070		**0 965**	mg/L	10	5/29/2008 5 19 29 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0.0100**	mg/L	1	5/27/2008 10 51 21 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030		**0.0142**	mg/L	1	5/27/2008 7 54 04 PM	JMW
Lead	7421	NELAP	0 0020		**< 0.0020**	mg/L	1	5/29/2008 3 25 18 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**0 00961**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**0.00959**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Anthracene		NELAP	0 00010		**0.00027**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Fluorene		NELAP	0 00010		**0.00056**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Naphthalene		NELAP	0 00010		**0.00068**	mg/L	1	5/28/2008 8 22 00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**0 0200**	mg/L	1	5/28/2008 8 22 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**51.6**	%REC	1	5/28/2008 8 22 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**31.9**	%REC	1	5/28/2008 8 22 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**51.8**	%REC	1	5/28/2008 8 22 00 PM	TDN
Surr Phenol-d5			11-42 8		**18.9**	%REC	1	5/28/2008 8 22 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**54.4**	%REC	1	5/28/2008 8 22 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**3.5**	µg/L	1	5/27/2008 4 24 00 PM	TAL
Ethylbenzene		NELAP	5 0	J	**1.7**	µg/L	1	5/27/2008 4 24 00 PM	TAL

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-004
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW113
Collection Date: 5/20/2008 1:10.00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/27/2008 4 24 00 PM	TAL
Xylenes, Total	NELAP	5 0	J	**1 0**	µg/L	1	5/27/2008 4 24 00 PM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**114 4**	%REC	1	5/27/2008 4 24 00 PM	TAL
Surr 4-Bromofluorobenzene		86-119		**96 0**	%REC	1	5/27/2008 4 24 00 PM	TAL
Surr Dibromofluoromethane		81 7-123		**109.0**	%REC	1	5/27/2008 4 24 00 PM	TAL
Surr Toluene-d8		84 3-114		**97.2**	%REC	1	5/27/2008 4 24 00 PM	TAL

Sample Narrative

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-005
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW107
Collection Date: 5/20/2008 3:05 00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 070		**0 761**	mg/L	10	5/29/2008 5 23 45 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0 0100**	mg/L	1	5/27/2008 10 53 04 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030		**0 0059**	mg/L	1	5/27/2008 7 57 26 PM	JMW
Lead	7421	NELAP	0 0020		**< 0.0020**	mg/L	1	5/29/2008 3 28 42 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**0 00024**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Anthracene		NELAP	0 00010		**0.00012**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Naphthalene		NELAP	0 00010		**0.0399**	mg/L	1	5/28/2008 8 58 00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**0.00037**	mg/L	1	5/28/2008 8 58 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**60.2**	%REC	1	5/28/2008 8 58 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**39.3**	%REC	1	5/28/2008 8 58 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**57 6**	%REC	1	5/28/2008 8 58 00 PM	TDN
Surr Phenol-d5			11-42 8		**21.8**	%REC	1	5/28/2008 8 58 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**65.8**	%REC	1	5/28/2008 8 58 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	10		**236**	µg/L	5	5/27/2008 4 54 00 PM	TAL
Ethylbenzene		NELAP	25 0	J	**8.2**	µg/L	5	5/27/2008 4 54 00 PM	TAL

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-005
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW107
Collection Date: 5/20/2008 3:05:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	25 0		**ND**	µg/L	5	5/27/2008 4 54 00 PM	TAL
Xylenes, Total	NELAP	25 0	J	**14**	µg/L	5	5/27/2008 4 54 00 PM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**116 2**	%REC	5	5/27/2008 4 54 00 PM	TAL
Surr 4-Bromofluorobenzene		86-119		**96.3**	%REC	5	5/27/2008 4 54 00 PM	TAL
Surr Dibromofluoromethane		81 7-123		**109.0**	%REC	5	5/27/2008 4 54 00 PM	TAL
Surr Toluene-d8		84 3-114		**98.6**	%REC	5	5/27/2008 4 54 00 PM	TAL

Sample Narrative
SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS
Elevated reporting limit due to high levels of target and/or non-target analytes

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-006
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW116
Collection Date: 5/20/2008 4:40 00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007	J	**0.004**	mg/L	1	5/29/2008 5 32 35 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**0 0190**	mg/L	1	5/27/2008 10 54 46 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030		**< 0 0030**	mg/L	1	5/27/2008 8 00 46 PM	JMW
Lead	7421	NELAP	0 0020		**< 0.0020**	mg/L	1	5/29/2008 3 32 04 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Naphthalene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**ND**	mg/L	1	5/27/2008 10 02 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**67.4**	%REC	1	5/27/2008 10 02 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**42.0**	%REC	1	5/27/2008 10 02 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**66 4**	%REC	1	5/27/2008 10 02 00 PM	TDN
Surr Phenol-d5			11-42 8		**25.0**	%REC	1	5/27/2008 10 02 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**77.2**	%REC	1	5/27/2008 10 02 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**ND**	µg/L	1	5/24/2008 2 17 00 AM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	5/24/2008 2 17 00 AM	TAL

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-006
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW116
Collection Date: 5/20/2008 4 40:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/24/2008 2 17 00 AM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	5/24/2008 2 17 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**93.5**	%REC	1	5/24/2008 2 17 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**102.1**	%REC	1	5/24/2008 2 17 00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**97 9**	%REC	1	5/24/2008 2 17 00 AM	TAL
Surr Toluene-d8		84 3-114		**93 0**	%REC	1	5/24/2008 2 17 00 AM	TAL

Sample Narrative

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-007
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW106
Collection Date: 5/21/2008 10:40:00 AM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**0 360**	mg/L	1	5/29/2008 11 51 39 AM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0.0100**	mg/L	1	5/27/2008 10 56 28 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030		**< 0 0030**	mg/L	1	5/27/2008 8 04 10 PM	JMW
Lead	7421	NELAP	0 0020		**< 0.0020**	mg/L	1	5/29/2008 3 35 28 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Naphthalene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**ND**	mg/L	1	5/27/2008 10 38 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**76.2**	%REC	1	5/27/2008 10 38 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**41.2**	%REC	1	5/27/2008 10 38 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**71.8**	%REC	1	5/27/2008 10 38 00 PM	TDN
Surr Phenol-d5			11-42 8		**25.6**	%REC	1	5/27/2008 10 38 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**77 4**	%REC	1	5/27/2008 10 38 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**ND**	µg/L	1	5/24/2008 2 46 00 AM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	5/24/2008 2 46 00 AM	TAL

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-007
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW106
Collection Date: 5/21/2008 10 40.00 AM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/24/2008 2 46 00 AM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	5/24/2008 2 46 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**91.2**	%REC	1	5/24/2008 2 46 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**98 0**	%REC	1	5/24/2008 2 46 00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**97.4**	%REC	1	5/24/2008 2 46 00 AM	TAL
Surr Toluene-d8		84 3-114		**95.2**	%REC	1	5/24/2008 2 46 00 AM	TAL

Sample Narrative

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-008
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW105
Collection Date: 5/21/2008 10 41 00 AM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**0 098**	mg/L	1	5/29/2008 11 56 01 AM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0.0100**	mg/L	1	5/27/2008 11 06 33 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030		**< 0.0030**	mg/L	1	5/27/2008 8 07 30 PM	JMW
Lead	7421	NELAP	0 0020		**< 0.0020**	mg/L	1	5/29/2008 3 38 52 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Acenaphthylene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Naphthalene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Total PNAs except Naphthalene			0 00013		**ND**	mg/L	1	5/29/2008 12 03 00 AM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**78 0**	%REC	1	5/29/2008 12 03 00 AM	TDN
Surr 2-Fluorophenol			16 8-65 9		**42.3**	%REC	1	5/29/2008 12 03 00 AM	TDN
Surr Nitrobenzene-d5			37 6-105		**72 4**	%REC	1	5/29/2008 12 03 00 AM	TDN
Surr Phenol-d5			11-42 8		**24.6**	%REC	1	5/29/2008 12 03 00 AM	TDN
Surr p-Terphenyl-d14			49-113		**84.6**	%REC	1	5/29/2008 12 03 00 AM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**ND**	µg/L	1	5/24/2008 3 16 00 AM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	5/24/2008 3 16 00 AM	TAL

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-008
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW105
Collection Date: 5/21/2008 10:41:00 AM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0		**ND**	µg/L	1	5/24/2008 3:16:00 AM	TAL
Xylenes, Total	NELAP	5.0		**ND**	µg/L	1	5/24/2008 3:16:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		**91.1**	%REC	1	5/24/2008 3:16:00 AM	TAL
Surr: 4-Bromofluorobenzene		86-119		**101.3**	%REC	1	5/24/2008 3:16:00 AM	TAL
Surr: Dibromofluoromethane		81.7-123		**98.0**	%REC	1	5/24/2008 3:16:00 AM	TAL
Surr: Toluene-d8		84.3-114		**93.2**	%REC	1	5/24/2008 3:16:00 AM	TAL

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
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ENVIRONMENTAL TESTING LABORATORY

TEL· 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-009
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW121
Collection Date: 5/21/2008 12:40:00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**0 415**	mg/L	1	5/29/2008 12 00 23 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0 0100**	mg/L	1	5/27/2008 11 08 16 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030		**< 0 0030**	mg/L	1	5/27/2008 8 17 44 PM	JMW
Lead	7421	NELAP	0 0020		**< 0 0020**	mg/L	1	5/29/2008 3 42 16 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Acenaphthylene		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Anthracene		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00909		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Chrysene		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Diethyl phthalate		NELAP	0 00455		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Dimethyl phthalate		NELAP	0 00455		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00455		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Fluoranthene		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Fluorene		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
m,p-Cresol		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Naphthalene		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
o-Cresol		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Phenanthrene		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Pyrene		NELAP	0 00045		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Total PNAs except Naphthalene			0 00059		**ND**	mg/L	1	5/28/2008 6 34 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**64.6**	%REC	1	5/28/2008 6 34 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**39.8**	%REC	1	5/28/2008 6 34 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**66 8**	%REC	1	5/28/2008 6 34 00 PM	TDN
Surr Phenol-d5			11-42 8		**24.6**	%REC	1	5/28/2008 6 34 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**76.0**	%REC	1	5/28/2008 6 34 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**ND**	µg/L	1	5/24/2008 3 46 00 AM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	5/24/2008 3 46 00 AM	TAL

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-009
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW121
Collection Date: 5/21/2008 12:40:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/24/2008 3 46 00 AM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	5/24/2008 3 46 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**90.1**	%REC	1	5/24/2008 3 46 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**101.0**	%REC	1	5/24/2008 3 46 00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**97 0**	%REC	1	5/24/2008 3 46 00 AM	TAL
Surr Toluene-d8		84 3-114		**94 1**	%REC	1	5/24/2008 3 46 00 AM	TAL

Sample Narrative

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ENVIRONMENTAL TESTING LABORATORY

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FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-010
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW108
Collection Date: 5/20/2008 1:40:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED								
Cyanide		0 007		**0.043**	mg/L	1	5/29/2008 12 04 47 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Chromium	NELAP	0 0100		**< 0.0100**	mg/L	1	5/27/2008 11 13 52 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)								
Arsenic 7060A	NELAP	0 0030		**< 0 0030**	mg/L	1	5/27/2008 8 21 04 PM	JMW
Lead 7421	NELAP	0 0020		**< 0 0020**	mg/L	1	5/29/2008 3 45 40 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Acenaphthylene	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Anthracene	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Benzo(a)anthracene	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Benzo(a)pyrene	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Bis(2-ethylhexyl)phthalate	NELAP	0 00200		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Chrysene	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Diethyl phthalate	NELAP	0 00100		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Dimethyl phthalate	NELAP	0 00100		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Di-n-butyl phthalate	NELAP	0 00100		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Fluoranthene	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Fluorene	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
m,p-Cresol	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Naphthalene	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
o-Cresol	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Phenanthrene	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Pyrene	NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Total PNAs except Naphthalene		0 00013		**ND**	mg/L	1	5/28/2008 9 34 00 PM	TDN
Surr 2-Fluorobiphenyl		41 1-108		**66 2**	%REC	1	5/28/2008 9 34 00 PM	TDN
Surr 2-Fluorophenol		16 8-65 9		**40 8**	%REC	1	5/28/2008 9 34 00 PM	TDN
Surr Nitrobenzene-d5		37 6-105		**63 0**	%REC	1	5/28/2008 9 34 00 PM	TDN
Surr Phenol-d5		11-42 8		**25.0**	%REC	1	5/28/2008 9 34 00 PM	TDN
Surr p-Terphenyl-d14		49-113		**62 8**	%REC	1	5/28/2008 9 34 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2 0		**ND**	µg/L	1	5/27/2008 1 50 00 PM	TAL
Ethylbenzene	NELAP	5 0		**ND**	µg/L	1	5/27/2008 1 50 00 PM	TAL

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-010
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW108
Collection Date: 5/20/2008 1 40 00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/27/2008 1 50 00 PM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	5/27/2008 1 50 00 PM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**115.3**	%REC	1	5/27/2008 1 50 00 PM	TAL
Surr 4-Bromofluorobenzene		86-119		**95 4**	%REC	1	5/27/2008 1 50 00 PM	TAL
Surr Dibromofluoromethane		81 7-123		**111 8**	%REC	1	5/27/2008 1 50 00 PM	TAL
Surr Toluene-d8		84 3-114		**100 1**	%REC	1	5/27/2008 1 50 00 PM	TAL

Sample Narrative

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-011
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW302
Collection Date: 5/21/2008 1:43:00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**0.044**	mg/L	1	5/29/2008 12 09 09 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0 0100**	mg/L	1	5/27/2008 11 16 43 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030	J	**0 0020**	mg/L	1	5/27/2008 8 24 26 PM	JMW
Lead	7421	NELAP	0 0020		**< 0.0020**	mg/L	1	5/29/2008 3 49 06 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Acenaphthylene		NELAP	0 00050		**0 00070**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Anthracene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 0100		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Chrysene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Diethyl phthalate		NELAP	0 00500		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Dimethyl phthalate		NELAP	0 00500		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00500		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Fluoranthene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Fluorene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
m,p-Cresol		NELAP	0 00050		**0 00969**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Naphthalene		NELAP	0 0250		**3.36**	mg/L	250	5/30/2008 9 33 00 AM	TDN
o-Cresol		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Phenanthrene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Pyrene		NELAP	0 00050		**ND**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Total PNAs except Naphthalene			0 00065		**0.00070**	mg/L	5	5/28/2008 7 42 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**68 0**	%REC	5	5/28/2008 7 42 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**43.0**	%REC	5	5/28/2008 7 42 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**65.0**	%REC	5	5/28/2008 7 42 00 PM	TDN
Surr Phenol-d5			11-42 8		**23.0**	%REC	5	5/28/2008 7 42 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**73.0**	%REC	5	5/28/2008 7 42 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	200		**1320**	µg/L	100	5/27/2008 2 23 00 PM	TAL
Ethylbenzene		NELAP	500		**514**	µg/L	100	5/27/2008 2 23 00 PM	TAL

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-011
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW302
Collection Date: 5/21/2008 1:43:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	500		**ND**	µg/L	100	5/27/2008 2 23 00 PM	TAL
Xylenes, Total	NELAP	500	J	**160**	µg/L	100	5/27/2008 2 23 00 PM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**117 4**	%REC	100	5/27/2008 2 23 00 PM	TAL
Surr 4-Bromofluorobenzene		86-119		**95 3**	%REC	100	5/27/2008 2 23 00 PM	TAL
Surr Dibromofluoromethane		81 7-123		**111.2**	%REC	100	5/27/2008 2 23 00 PM	TAL
Surr Toluene-d8		84 3-114		**100.1**	%REC	100	5/27/2008 2 23 00 PM	TAL

Sample Narrative

SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
Elevated reporting limit due to high levels of target and/or non-target analytes

SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS
Elevated reporting limit due to high levels of target and/or non-target analytes

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-012
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW302D
Collection Date: 5/21/2008 1 51.00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**0.045**	mg/L	1	5/29/2008 12 13 31 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0.0100**	mg/L	1	5/27/2008 11 18 24 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030	J	**0 0017**	mg/L	1	5/27/2008 8 27 48 PM	JMW
Lead	7421	NELAP	0 0020		**0.0022**	mg/L	1	5/29/2008 3 52 30 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**0.00011**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**0.00069**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**0.00996**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Naphthalene		NELAP	0 0250		**3.57**	mg/L	250	5/30/2008 10 09 00 AM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**0 00080**	mg/L	1	5/28/2008 8 19 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**63.4**	%REC	1	5/28/2008 8 19 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**43 0**	%REC	1	5/28/2008 8 19 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**62.2**	%REC	1	5/28/2008 8 19 00 PM	TDN
Surr Phenol-d5			11-42 8		**24 5**	%REC	1	5/28/2008 8 19 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**73 6**	%REC	1	5/28/2008 8 19 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	200		**1330**	µg/L	100	5/27/2008 2 53 00 PM	TAL
Ethylbenzene		NELAP	500	J	**490**	µg/L	100	5/27/2008 2 53 00 PM	TAL

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-012
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW302D
Collection Date: 5/21/2008 1:51:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	500		**ND**	µg/L	100	5/27/2008 2 53 00 PM	TAL
Xylenes, Total	NELAP	500	J	**150**	µg/L	100	5/27/2008 2 53 00 PM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**115.9**	%REC	100	5/27/2008 2 53 00 PM	TAL
Surr 4-Bromofluorobenzene		86-119		**95 8**	%REC	100	5/27/2008 2 53 00 PM	TAL
Surr Dibromofluoromethane		81 7-123		**110 9**	%REC	100	5/27/2008 2 53 00 PM	TAL
Surr Toluene-d8		84 3-114		**99.6**	%REC	100	5/27/2008 2 53 00 PM	TAL

Sample Narrative

SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-013
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW110
Collection Date: 5/21/2008 3:55:00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 070		**0.916**	mg/L	10	5/29/2008 5 28 11 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0.0100**	mg/L	1	5/27/2008 11 20 06 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030		**0.0069**	mg/L	1	5/27/2008 8 31 10 PM	JMW
Lead	7421	NELAP	0 0020	J	**0 0004**	mg/L	1	5/29/2008 4 02 44 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**0.0217**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Acenaphthylene		NELAP	0 00010		**0 0451**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Anthracene		NELAP	0 00010		**0.00388**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Benzo(a)anthracene		NELAP	0 00010		**0 00019**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Chrysene		NELAP	0 00010		**0.00012**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Fluoranthene		NELAP	0 00010		**0.00184**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Fluorene		NELAP	0 00010		**0.00586**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 45 00 AM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Naphthalene		NELAP	0 00010		**0.00645**	mg/L	1	5/30/2008 10 45 00 AM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Phenanthrene		NELAP	0 00010		**0 0213**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Pyrene		NELAP	0 00010		**0.00244**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Total PNAs except Naphthalene			0 00013		**0.102**	mg/L	1	5/30/2008 10 45 00 AM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**76 2**	%REC	1	5/30/2008 10 45 00 AM	TDN
Surr 2-Fluorophenol			16 8-65 9		**41 5**	%REC	1	5/30/2008 10 45 00 AM	TDN
Surr Nitrobenzene-d5			37 6-105		**69.6**	%REC	1	5/30/2008 10 45 00 AM	TDN
Surr Phenol-d5			11-42 8		**23.3**	%REC	1	5/30/2008 10 45 00 AM	TDN
Surr p-Terphenyl-d14			49-113		**83 2**	%REC	1	5/30/2008 10 45 00 AM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**13.2**	µg/L	1	5/27/2008 11 47 00 PM	TAL
Ethylbenzene		NELAP	5 0		**38.7**	µg/L	1	5/27/2008 11 47 00 PM	TAL

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-013
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW110
Collection Date: 5/21/2008 3:55:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5.0	J	**1.4**	µg/L	1	5/27/2008 11:47:00 PM	TAL
Xylenes, Total	NELAP	5.0		**35.3**	µg/L	1	5/27/2008 11:47:00 PM	TAL
Surr: 1,2-Dichloroethane-d4		74.7-129		**117.4**	%REC	1	5/27/2008 11:47:00 PM	TAL
Surr: 4-Bromofluorobenzene		86-119		**89.6**	%REC	1	5/27/2008 11:47:00 PM	TAL
Surr: Dibromofluoromethane		81.7-123		**111.8**	%REC	1	5/27/2008 11:47:00 PM	TAL
Surr: Toluene-d8		84.3-114		**98.5**	%REC	1	5/27/2008 11:47:00 PM	TAL

Sample Narrative

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-014
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VWM117
Collection Date: 5/21/2008 4 45:00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**< 0.007**	mg/L	1	5/29/2008 12 23 12 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0 0100**	mg/L	1	5/27/2008 11 21 48 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030		**< 0.0030**	mg/L	1	5/27/2008 8 34 32 PM	JMW
Lead	7421	NELAP	0 0020	J	**0 0005**	mg/L	1	5/29/2008 4 06 08 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Naphthalene		NELAP	0 00010		**0.00015**	mg/L	1	5/28/2008 9 33 00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**ND**	mg/L	1	5/28/2008 9 33 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**91.2**	%REC	1	5/28/2008 9 33 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**50.5**	%REC	1	5/28/2008 9 33 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**89.6**	%REC	1	5/28/2008 9 33 00 PM	TDN
Surr Phenol-d5			11-42 8		**28.3**	%REC	1	5/28/2008 9 33 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**88.4**	%REC	1	5/28/2008 9 33 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**ND**	µg/L	1	5/27/2008 5 24 00 PM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	5/27/2008 5 24 00 PM	TAL

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-014
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VWM117
Collection Date: 5/21/2008 4:45:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/27/2008 5 24 00 PM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	5/27/2008 5 24 00 PM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**116.2**	%REC	1	5/27/2008 5 24 00 PM	TAL
Surr 4-Bromofluorobenzene		86-119		**96.3**	%REC	1	5/27/2008 5 24 00 PM	TAL
Surr Dibromofluoromethane		81 7-123		**110.9**	%REC	1	5/27/2008 5 24 00 PM	TAL
Surr Toluene-d8		84 3-114		**99 4**	%REC	1	5/27/2008 5 24 00 PM	TAL

Sample Narrative

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-015
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW301
Collection Date: 5/21/2008 5.00 00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**< 0 007**	mg/L	1	5/29/2008 12 27 13 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0 0100**	mg/L	1	5/27/2008 11 23 30 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030	J	**0 0011**	mg/L	1	5/27/2008 8 37 54 PM	JMW
Lead	7421	NELAP	0 0020	J	**0.0010**	mg/L	1	5/30/2008 10 52 34 AM	JMW
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**0 00078**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**0.00902**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200	R	**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100	J	**0.00050**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**0.00312**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Naphthalene		NELAP	0 00010		**0.00073**	mg/L	1	5/29/2008 6 18 00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**0 00980**	mg/L	1	5/29/2008 6 18 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**60.3**	%REC	1	5/29/2008 6 18 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**36.0**	%REC	1	5/29/2008 6 18 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**58.9**	%REC	1	5/29/2008 6 18 00 PM	TDN
Surr Phenol-d5			11-42 8		**22.4**	%REC	1	5/29/2008 6 18 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**69 9**	%REC	1	5/29/2008 6 18 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**ND**	µg/L	1	5/28/2008 12 17 00 AM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	5/28/2008 12 17 00 AM	TAL

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-015
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW301
Collection Date: 5/21/2008 5:00:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/28/2008 12 17 00 AM	TAL
Xylenes, Total	NELAP	5 0	J	**2.9**	µg/L	1	5/28/2008 12 17 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**113.8**	%REC	1	5/28/2008 12 17 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**94 7**	%REC	1	5/28/2008 12 17 00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**110 0**	%REC	1	5/28/2008 12 17 00 AM	TAL
Surr Toluene-d8		84 3-114		**89.4**	%REC	1	5/28/2008 12 17 00 AM	TAL

Sample Narrative
SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS
RPD is outside of the QC limits for Bis(2-ethylhexyl)phthalate

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-016
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW104
Collection Date: 5/22/2008 9:02:00 AM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**0 186**	mg/L	1	5/29/2008 12 48 30 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0.0100**	mg/L	1	5/27/2008 11 36 33 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030	J	**0 0007**	mg/L	1	5/27/2008 8 48 02 PM	JMW
Lead	7421	NELAP	0 0020	J	**0.0017**	mg/L	1	5/29/2008 4 19 40 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Naphthalene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**ND**	mg/L	1	5/28/2008 10 11 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**66.6**	%REC	1	5/28/2008 10 11 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**40.5**	%REC	1	5/28/2008 10 11 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**66.0**	%REC	1	5/28/2008 10 11 00 PM	TDN
Surr Phenol-d5			11-42 8		**24.0**	%REC	1	5/28/2008 10 11 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**68.4**	%REC	1	5/28/2008 10 11 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**ND**	µg/L	1	5/27/2008 7 25 00 PM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	5/27/2008 7 25 00 PM	TAL

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-016
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW104
Collection Date: 5/22/2008 9:02.00 AM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/27/2008 7 25 00 PM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	5/27/2008 7 25 00 PM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**117 1**	%REC	1	5/27/2008 7 25 00 PM	TAL
Surr 4-Bromofluorobenzene		86-119		**95.3**	%REC	1	5/27/2008 7 25 00 PM	TAL
Surr Dibromofluoromethane		81 7-123		**112.9**	%REC	1	5/27/2008 7 25 00 PM	TAL
Surr Toluene-d8		84 3-114		**99.6**	%REC	1	5/27/2008 7 25 00 PM	TAL

Sample Narrative

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-017
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW102
Collection Date: 5/22/2008 9.45:00 AM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**< 0 007**	mg/L	1	5/29/2008 1 14 10 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0.0100**	mg/L	1	5/27/2008 11 38 16 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030		**0.0070**	mg/L	1	5/27/2008 8 58 18 PM	JMW
Lead	7421	NELAP	0 0020		**< 0.0020**	mg/L	1	5/29/2008 4 23 02 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Naphthalene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**ND**	mg/L	1	5/28/2008 10 49 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**67.8**	%REC	1	5/28/2008 10 49 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**39.7**	%REC	1	5/28/2008 10 49 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**67.4**	%REC	1	5/28/2008 10 49 00 PM	TDN
Surr Phenol-d5			11-42 8		**22.9**	%REC	1	5/28/2008 10 49 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**70.0**	%REC	1	5/28/2008 10 49 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**ND**	µg/L	1	5/27/2008 7 55 00 PM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	5/27/2008 7 55 00 PM	TAL

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-017
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW102
Collection Date: 5/22/2008 9:45.00 AM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/27/2008 7 55 00 PM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	5/27/2008 7 55 00 PM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**116 6**	%REC	1	5/27/2008 7 55 00 PM	TAL
Surr 4-Bromofluorobenzene		86-119		**94 2**	%REC	1	5/27/2008 7 55 00 PM	TAL
Surr Dibromofluoromethane		81 7-123		**112.7**	%REC	1	5/27/2008 7 55 00 PM	TAL
Surr Toluene-d8		84 3-114		**100 3**	%REC	1	5/27/2008 7 55 00 PM	TAL

Sample Narrative

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-018
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW120
Collection Date: 5/22/2008 10:01:00 AM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**< 0.007**	mg/L	1	5/29/2008 1 18 53 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100	J	**0 0044**	mg/L	1	5/27/2008 11 39 58 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030	J	**0.0015**	mg/L	1	5/27/2008 9 01 42 PM	JMW
Lead	7421	NELAP	0 0020		**0.0029**	mg/L	1	5/29/2008 4 26 26 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Naphthalene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**ND**	mg/L	1	5/28/2008 11 27 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**66.4**	%REC	1	5/28/2008 11 27 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**37 4**	%REC	1	5/28/2008 11 27 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**63 4**	%REC	1	5/28/2008 11 27 00 PM	TDN
Surr Phenol-d5			11-42 8		**21.3**	%REC	1	5/28/2008 11 27 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**70.4**	%REC	1	5/28/2008 11 27 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**ND**	µg/L	1	5/28/2008 1 48 00 AM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	5/28/2008 1 48 00 AM	TAL

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-018
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW120
Collection Date: 5/22/2008 10:01:00 AM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/28/2008 1 48 00 AM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	5/28/2008 1 48 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**113.4**	%REC	1	5/28/2008 1 48 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**97.3**	%REC	1	5/28/2008 1 48 00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**108.6**	%REC	1	5/28/2008 1 48 00 AM	TAL
Surr Toluene-d8		84 3-114		**98.9**	%REC	1	5/28/2008 1 48 00 AM	TAL

Sample Narrative

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-019
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW119
Collection Date: 5/22/2008 11:11.00 AM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**0.013**	mg/L	1	5/29/2008 1 27 50 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0 0100**	mg/L	1	5/27/2008 11 41 40 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030	J	**0 0012**	mg/L	1	5/27/2008 9 05 06 PM	JMW
Lead	7421	NELAP	0 0020	J	**0.0015**	mg/L	1	5/29/2008 4 29 48 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**0 00230**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Acenaphthylene		NELAP	0 00010		**0 00152**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Anthracene		NELAP	0 00010		**0.00014**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Di-n-butyl phthalate		NELAP	0 00100	J	**0.00051**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Fluoranthene		NELAP	0 00010		**0.00030**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Fluorene		NELAP	0 00010		**0.00068**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 05 00 AM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Naphthalene		NELAP	0 00010		**0.00092**	mg/L	1	5/29/2008 12 05 00 AM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Pyrene		NELAP	0 00010		**0.00039**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Total PNAs except Naphthalene			0 00013		**0.00532**	mg/L	1	5/29/2008 12 05 00 AM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**69.4**	%REC	1	5/29/2008 12 05 00 AM	TDN
Surr 2-Fluorophenol			16 8-65 9		**41.3**	%REC	1	5/29/2008 12 05 00 AM	TDN
Surr Nitrobenzene-d5			37 6-105		**67.8**	%REC	1	5/29/2008 12 05 00 AM	TDN
Surr Phenol-d5			11-42 8		**23.6**	%REC	1	5/29/2008 12 05 00 AM	TDN
Surr p-Terphenyl-d14			49-113		**69.4**	%REC	1	5/29/2008 12 05 00 AM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**3.4**	µg/L	1	5/28/2008 2 18 00 AM	TAL
Ethylbenzene		NELAP	5 0		**6.2**	µg/L	1	5/28/2008 2 18 00 AM	TAL

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-019
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW119
Collection Date: 5/22/2008 11 11:00 AM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/28/2008 2 18 00 AM	TAL
Xylenes, Total	NELAP	5 0		**6 6**	µg/L	1	5/28/2008 2 18 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**115 3**	%REC	1	5/28/2008 2 18 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**95.9**	%REC	1	5/28/2008 2 18 00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**110.0**	%REC	1	5/28/2008 2 18 00 AM	TAL
Surr Toluene-d8		84 3-114		**99.1**	%REC	1	5/28/2008 2 18 00 AM	TAL

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-020
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW111A
Collection Date: 5/22/2008 11:50:00 AM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**< 0.007**	mg/L	1	5/29/2008 1 32 08 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0.0100**	mg/L	1	5/27/2008 11 43 22 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030		**< 0.0030**	mg/L	1	5/27/2008 9 08 30 PM	JMW
Lead	7421	NELAP	0 0020		**< 0 0020**	mg/L	1	5/29/2008 4 33 08 PM	SRH
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Acenaphthylene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Naphthalene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Total PNAs except Naphthalene			0 00013		**ND**	mg/L	1	5/29/2008 12 43 00 AM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**63 2**	%REC	1	5/29/2008 12 43 00 AM	TDN
Surr 2-Fluorophenol			16 8-65 9		**37.4**	%REC	1	5/29/2008 12 43 00 AM	TDN
Surr Nitrobenzene-d5			37 6-105		**61.2**	%REC	1	5/29/2008 12 43 00 AM	TDN
Surr Phenol-d5			11-42 8		**22.2**	%REC	1	5/29/2008 12 43 00 AM	TDN
Surr p-Terphenyl-d14			49-113		**68.0**	%REC	1	5/29/2008 12 43 00 AM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**ND**	µg/L	1	5/28/2008 2 49 00 AM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	5/28/2008 2 49 00 AM	TAL

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-020
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW111A
Collection Date: 5/22/2008 11:50:00 AM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/28/2008 2 49 00 AM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	5/28/2008 2 49 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**115.3**	%REC	1	5/28/2008 2 49 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**95 8**	%REC	1	5/28/2008 2 49 00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**111.5**	%REC	1	5/28/2008 2 49 00 AM	TAL
Surr Toluene-d8		84 3-114		**96 7**	%REC	1	5/28/2008 2 49 00 AM	TAL

Sample Narrative

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-021
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW303
Collection Date: 5/22/2008 1:27:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED								
Cyanide		0 007		**< 0.007**	mg/L	1	5/29/2008 1 36 32 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Chromium	NELAP	0 0100		**< 0.0100**	mg/L	1	5/27/2008 11 45 04 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)								
Arsenic 7060A	NELAP	0 0030	J	**0.0023**	mg/L	1	5/27/2008 9 18 42 PM	JMW
Lead 7421	NELAP	0 0020		**< 0.0020**	mg/L	1	5/27/2008 9 56 42 AM	JMW
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 00010		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Acenaphthylene	NELAP	0 00010		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Anthracene	NELAP	0 00010		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Benzo(a)anthracene	NELAP	0 00010		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Benzo(a)pyrene	NELAP	0 00010		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Benzo(b)fluoranthene	NELAP	0 00010		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Benzo(g,h,i)perylene	NELAP	0 00010		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Benzo(k)fluoranthene	NELAP	0 00010		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Bis(2-ethylhexyl)phthalate	NELAP	0 00200		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Chrysene	NELAP	0 00010		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Dibenzo(a,h)anthracene	NELAP	0 00010		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Diethyl phthalate	NELAP	0 00100		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Dimethyl phthalate	NELAP	0 00100		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Di-n-butyl phthalate	NELAP	0 00100		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Fluoranthene	NELAP	0 00010		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Fluorene	NELAP	0 00010		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 00010		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
m,p-Cresol	NELAP	0 00010		**0.00175**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Naphthalene	NELAP	0 00010	J	**0 00009**	mg/L	1	5/29/2008 1 21 00 AM	TDN
o-Cresol	NELAP	0 00010		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Phenanthrene	NELAP	0 00010		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Pyrene	NELAP	0 00010		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Total PNAs except Naphthalene		0 00013		**ND**	mg/L	1	5/29/2008 1 21 00 AM	TDN
Surr 2-Fluorobiphenyl		41 1-108		**68 0**	%REC	1	5/29/2008 1 21 00 AM	TDN
Surr 2-Fluorophenol		16 8-65 9		**39.4**	%REC	1	5/29/2008 1 21 00 AM	TDN
Surr Nitrobenzene-d5		37 6-105		**66.8**	%REC	1	5/29/2008 1 21 00 AM	TDN
Surr Phenol-d5		11-42 8		**21.2**	%REC	1	5/29/2008 1 21 00 AM	TDN
Surr p-Terphenyl-d14		49-113		**71.4**	%REC	1	5/29/2008 1 21 00 AM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2 0		**ND**	µg/L	1	5/28/2008 3 19 00 AM	TAL
Ethylbenzene	NELAP	5 0		**ND**	µg/L	1	5/28/2008 3 19 00 AM	TAL

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-021
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW303
Collection Date: 5/22/2008 1:27:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/28/2008 3 19 00 AM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	5/28/2008 3 19 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**116.4**	%REC	1	5/28/2008 3 19 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**95.5**	%REC	1	5/28/2008 3 19 00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**112.1**	%REC	1	5/28/2008 3 19 00 AM	TAL
Surr Toluene-d8		84 3-114		**99.4**	%REC	1	5/28/2008 3 19 00 AM	TAL

Sample Narrative

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ENVIRONMENTAL TESTING LABORATORY

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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-022
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW303D
Collection Date: 5/22/2008 1.34:00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**< 0.007**	mg/L	1	5/29/2008 1 40 58 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0.0100**	mg/L	1	5/27/2008 11 46 46 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030		**0.0038**	mg/L	1	5/28/2008 10 53 54 AM	SRH
Lead	7421	NELAP	0 0020	J	**0 0004**	mg/L	1	5/24/2008 12 13 18 PM	JMW
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**0 00180**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Naphthalene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**ND**	mg/L	1	5/28/2008 3 34 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**67.2**	%REC	1	5/28/2008 3 34 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**39.4**	%REC	1	5/28/2008 3 34 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**69.2**	%REC	1	5/28/2008 3 34 00 PM	TDN
Surr Phenol-d5			11-42 8		**22.5**	%REC	1	5/28/2008 3 34 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**70.0**	%REC	1	5/28/2008 3 34 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**ND**	µg/L	1	5/28/2008 3 49 00 AM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	5/28/2008 3 49 00 AM	TAL

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-022
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW303D
Collection Date: 5/22/2008 1:34:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/28/2008 3 49 00 AM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	5/28/2008 3 49 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**117.1**	%REC	1	5/28/2008 3 49 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**95 4**	%REC	1	5/28/2008 3 49 00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**112 6**	%REC	1	5/28/2008 3 49 00 AM	TAL
Surr Toluene-d8		84 3-114		**99.1**	%REC	1	5/28/2008 3 49 00 AM	TAL

Sample Narrative

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-023
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW304
Collection Date: 5/22/2008 2:38:00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**0.031**	mg/L	1	5/29/2008 1 45 17 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0.0100**	mg/L	1	5/27/2008 11 48 28 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030		**< 0.0030**	mg/L	1	5/28/2008 10 57 14 AM	SRH
Lead	7421	NELAP	0 0020		**< 0.0020**	mg/L	1	5/24/2008 12 16 42 PM	JMW
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**0 00934**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**0.00133**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Fluorene		NELAP	0 00010		**0 00010**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**0.00391**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Naphthalene		NELAP	0 00010		**0.0275**	mg/L	1	5/28/2008 4 09 00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**0.0108**	mg/L	1	5/28/2008 4 09 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**69.8**	%REC	1	5/28/2008 4 09 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**42.3**	%REC	1	5/28/2008 4 09 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**67.4**	%REC	1	5/28/2008 4 09 00 PM	TDN
Surr Phenol-d5			11-42 8		**22.3**	%REC	1	5/28/2008 4 09 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**73.2**	%REC	1	5/28/2008 4 09 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**40.2**	µg/L	1	5/28/2008 4 19 00 AM	TAL
Ethylbenzene		NELAP	50 0		**450**	µg/L	10	5/29/2008 4 23 00 AM	TAL

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-023
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW304
Collection Date: 5/22/2008 2 38:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**7.6**	µg/L	1	5/28/2008 4 19 00 AM	TAL
Xylenes, Total	NELAP	5 0		**150**	µg/L	1	5/28/2008 4 19 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**118 5**	%REC	1	5/28/2008 4 19 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**88.4**	%REC	1	5/28/2008 4 19 00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**110 4**	%REC	1	5/28/2008 4 19 00 AM	TAL
Surr Toluene-d8		84 3-114		**99 3**	%REC	1	5/28/2008 4 19 00 AM	TAL

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE RD AD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-024
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW118
Collection Date: 5/22/2008 3.39:00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**0 047**	mg/L	1	5/29/2008 1 49 40 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**0 0266**	mg/L	1	5/27/2008 11 56 25 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030		**0 0078**	mg/L	1	5/28/2008 11 00 36 AM	SRH
Lead	7421	NELAP	0 0020		**0.0151**	mg/L	1	5/24/2008 12 20 06 PM	JMW
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Naphthalene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**ND**	mg/L	1	5/28/2008 4 45 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**66.2**	%REC	1	5/28/2008 4 45 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**38 6**	%REC	1	5/28/2008 4 45 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**62.8**	%REC	1	5/28/2008 4 45 00 PM	TDN
Surr Phenol-d5			11-42 8		**21 9**	%REC	1	5/28/2008 4 45 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**71.2**	%REC	1	5/28/2008 4 45 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**ND**	µg/L	1	5/29/2008 4 53 00 AM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	5/29/2008 4 53 00 AM	TAL

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

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FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-024
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW118
Collection Date: 5/22/2008 3 39 00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/29/2008 4 53 00 AM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	5/29/2008 4 53 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**85.9**	%REC	1	5/29/2008 4 53 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**97.2**	%REC	1	5/29/2008 4 53 00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**96 2**	%REC	1	5/29/2008 4 53 00 AM	TAL
Surr Toluene-d8		84 3-114		**91 2**	%REC	1	5/29/2008 4 53 00 AM	TAL

Sample Narrative

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-025
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW109
Collection Date: 5/22/2008 3:40 00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**< 0.007**	mg/L	1	5/29/2008 1 54 25 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**0 0166**	mg/L	1	5/27/2008 11 58 08 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030		**< 0 0030**	mg/L	1	5/28/2008 11 03 58 AM	SRH
Lead	7421	NELAP	0 0020		**< 0.0020**	mg/L	1	5/24/2008 12 23 28 PM	JMW
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Naphthalene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**ND**	mg/L	1	5/28/2008 5 21 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**72.4**	%REC	1	5/28/2008 5 21 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**41 7**	%REC	1	5/28/2008 5 21 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**70.6**	%REC	1	5/28/2008 5 21 00 PM	TDN
Surr Phenol-d5			11-42 8		**23.8**	%REC	1	5/28/2008 5 21 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**75.0**	%REC	1	5/28/2008 5 21 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**ND**	µg/L	1	5/28/2008 5 20 00 AM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	5/28/2008 5 20 00 AM	TAL

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-025
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW109
Collection Date: 5/22/2008 3:40 00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/28/2008 5 20 00 AM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	5/28/2008 5 20 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**116 8**	%REC	1	5/28/2008 5 20 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**96.1**	%REC	1	5/28/2008 5 20 00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**112 3**	%REC	1	5/28/2008 5 20 00 AM	TAL
Surr Toluene-d8		84 3-114		**98.7**	%REC	1	5/28/2008 5 20 00 AM	TAL

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-026
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW300
Collection Date: 5/23/2008 8:00:00 AM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**< 0 007**	mg/L	1	5/29/2008 1 58 21 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0.0100**	mg/L	1	5/27/2008 11 59 51 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030	J	**0 0020**	mg/L	1	5/28/2008 11 14 08 AM	SRH
Lead	7421	NELAP	0 0020	J	**0 0006**	mg/L	1	5/24/2008 12 26 52 PM	JMW
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Naphthalene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**ND**	mg/L	1	5/28/2008 5 57 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**88.0**	%REC	1	5/28/2008 5 57 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**51 1**	%REC	1	5/28/2008 5 57 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**82 0**	%REC	1	5/28/2008 5 57 00 PM	TDN
Surr Phenol-d5			11-42 8		**31.5**	%REC	1	5/28/2008 5 57 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**94.8**	%REC	1	5/28/2008 5 57 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**ND**	µg/L	1	5/28/2008 5 50 00 AM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	5/28/2008 5 50 00 AM	TAL

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL· 618-344-1004
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LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08050900
Lab ID: 08050900-026
Report Date: 02-Jun-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: VMW300
Collection Date: 5/23/2008 8.00 00 AM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	5/28/2008 5 50 00 AM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	5/28/2008 5 50 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**117 1**	%REC	1	5/28/2008 5 50 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**95.3**	%REC	1	5/28/2008 5 50 00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**113 1**	%REC	1	5/28/2008 5 50 00 AM	TAL
Surr Toluene-d8		84 3-114		**98 6**	%REC	1	5/28/2008 5 50 00 AM	TAL

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050900
Report Date: 02-Jun-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050900-001A	Trip Blank	5/12/2008	Trip Blank	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/23/2008	5/23/2008
08050900-002A	VMW 115	5/20/2008	Groundwater	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/23/2008	5/28/2008
08050900-002B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-002C				SW-846 9012A (Total) Modified		5/29/2008
08050900-002D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/23/2008	5/23/2008
				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/27/2008
08050900-003A	VMW114			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/23/2008	5/28/2008
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/23/2008	5/28/2008
08050900-003B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-003C				SW-846 9012A (Total) Modified		5/29/2008
08050900-003D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/23/2008	5/23/2008
08050900-004A	VMW113			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/23/2008	5/28/2008
08050900-004B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-004C				SW-846 9012A (Total) Modified		5/29/2008
08050900-004D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/23/2008	5/24/2008
				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/27/2008

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050900
Report Date: 02-Jun-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050900-005A	VMW107	5/20/2008	Groundwater	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/23/2008	5/28/2008
08050900-005B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-005C				SW-846 9012A (Total) Modified		5/29/2008
08050900-005D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/23/2008	5/24/2008
				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/27/2008
08050900-006A	VMW116			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/27/2008
08050900-006B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-006C				SW-846 9012A (Total) Modified		5/29/2008
08050900-006D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/23/2008	5/24/2008
08050900-007A	VMW106	5/21/2008		SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/27/2008
08050900-007B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-007C				SW-846 9012A (Total) Modified		5/29/2008
08050900-007D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/23/2008	5/24/2008
08050900-008A	VMW105			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/29/2008
08050900-008B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008

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Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050900
Report Date: 02-Jun-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050900-008B	VMW105	5/21/2008	Groundwater	SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-008C				SW-846 9012A (Total) Modified		5/29/2008
08050900-008D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/23/2008	5/24/2008
08050900-009A	VMW121			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
08050900-009B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-009C				SW-846 9012A (Total) Modified		5/29/2008
08050900-009D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/23/2008	5/24/2008
08050900-010A	VMW108	5/20/2008		SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/23/2008	5/28/2008
08050900-010B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-010C				SW-846 9012A (Total) Modified		5/29/2008
08050900-010D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/27/2008
08050900-011A	VMW302	5/21/2008		SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/30/2008
08050900-011B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-011C				SW-846 9012A (Total) Modified		5/29/2008
08050900-011D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/27/2008

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Lab Order: 08050900
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Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050900-012A	VMW302D	5/21/2008	Groundwater	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/30/2008
08050900-012B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-012C				SW-846 9012A (Total) Modified		5/29/2008
08050900-012D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/27/2008
08050900-013A	VMW110			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/30/2008
08050900-013B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-013C				SW-846 9012A (Total) Modified		5/29/2008
08050900-013D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/27/2008
				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/27/2008
08050900-014A	VWM117			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
08050900-014B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-014C				SW-846 9012A (Total) Modified		5/29/2008
08050900-014D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/27/2008
)50900-015A	VMW301			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/29/2008

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Lab Order: 08050900
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DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050900-015B	VMW301	5/21/2008	Groundwater	SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/30/2008
08050900-015C				SW-846 9012A (Total) Modified		5/29/2008
08050900-015D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/27/2008
				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
08050900-016A	VMW104	5/22/2008		SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
08050900-016B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-016C				SW-846 9012A (Total) Modified		5/29/2008
08050900-016D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/27/2008
08050900-017A	VMW102			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
08050900-017B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-017C				SW-846 9012A (Total) Modified		5/29/2008
08050900-017D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/27/2008
08050900-018A	VMW120			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
08050900-018B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008

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DATES REPORT

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050900
Report Date: 02-Jun-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050900-018B	VMW120	5/22/2008	Groundwater	SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-018C				SW-846 9012A (Total) Modified		5/29/2008
08050900-018D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
08050900-019A	VMW119			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/29/2008
08050900-019B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-019C				SW-846 9012A (Total) Modified		5/29/2008
08050900-019D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
08050900-020A	VMW111A			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/29/2008
08050900-020B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/29/2008
08050900-020C				SW-846 9012A (Total) Modified		5/29/2008
08050900-020D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
08050900-021A	VMW303			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/29/2008
08050900-021B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/24/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/27/2008
08050900-021C				SW-846 9012A (Total) Modified		5/29/2008
50900-021D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008

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Lab Order: 08050900
Report Date: 02-Jun-08

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Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050900-022A	VMW303D	5/22/2008	Groundwater	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
08050900-022B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/24/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/28/2008
08050900-022C				SW-846 9012A (Total) Modified		5/29/2008
08050900-022D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
08050900-023A	VMW304			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
08050900-023B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/24/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/28/2008
08050900-023C				SW-846 9012A (Total) Modified		5/29/2008
08050900-023D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/28/2008	5/29/2008
08050900-024A	VMW118			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
08050900-024B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/24/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/28/2008
08050900-024C				SW-846 9012A (Total) Modified		5/29/2008
08050900-024D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/28/2008	5/29/2008
08050900-025A	VMW109			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
50900-025B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008

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DATES REPORT

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Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050900
Report Date: 02-Jun-08

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08050900-025B	VMW109	5/22/2008	Groundwater	SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/24/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/28/2008
08050900-025C				SW-846 9012A (Total) Modified		5/29/2008
08050900-025D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
08050900-026A	VMW300	5/23/2008		SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008
08050900-026B				SW-846 3005A, 6010B, Metals by ICP (Total)	5/23/2008	5/27/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/24/2008
				SW-846 3020A, Metals by GFAA (Total)	5/23/2008	5/28/2008
08050900-026C				SW-846 9012A (Total) Modified		5/29/2008
08050900-026D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/27/2008	5/28/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050900 **Report Date:** *02-Jun-08*

ANALYTICAL QC SUMMARY REPORT

Test Number: SW6010B

Sample ID	MB-45099	SampType	MBLK			Units	mg/L	Prep Date	5/23/2008	RunNo	108579
Client ID	ZZZZZZ	Batch ID	45099				SOP 3034	Analysis Date	5/27/2008	SeqNo	1958251

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	< 0 0100	0 0100	0 01000	0	0	-100	100				

Sample ID	LCS-45099	SampType	LCS			Units	mg/L	Prep Date	5/23/2008	RunNo	108579
Client ID	ZZZZZZ	Batch ID	45099				SOP 3034	Analysis Date	5/27/2008	SeqNo	1958252

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0 207	0 0100	0 2000	0	103 6	85	115				

Sample ID	MB-45099	SampType	MBLK			Units	mg/L	Prep Date	5/23/2008	RunNo	108601
Client ID	ZZZZZZ	Batch ID	45099				SOP 3034	Analysis Date	5/27/2008	SeqNo	1958736

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	< 0 0100	0 0100	0 01000	0	0	-100	100				

Sample ID	LCS-45099	SampType	LCS			Units	mg/L	Prep Date	5/23/2008	RunNo	108601
Client ID	ZZZZZZ	Batch ID	45099				SOP 3034	Analysis Date	5/27/2008	SeqNo	1958737

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0 216	0 0100	0 2000	0	108 2	85	115				

Sample ID	08050900-002BMS	SampType	MS			Units	mg/L	Prep Date	5/23/2008	RunNo	108601
Client ID	VMW 115MS	Batch ID	45099				SOP 3034	Analysis Date	5/27/2008	SeqNo	1958744

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0 201	0 0100	0 2000	0	100 7	75	125				

Client: Philip Environmental
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Lab Order: 08050900 **Report Date:** *02-Jun-08*

ANALYTICAL QC SUMMARY REPORT

Test Number: SW6010B

Sample ID	08050900-002BMSD	SampType	MSD			Units	mg/L	Prep Date	5/23/2008		RunNo	108601	
Client ID	VMW 115MSD	Batch ID	45099			SOP 3034		Analysis Date	5/27/2008		SeqNo	1958745	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium		0 199	0 0100	0 2000	0	99 4	75	125	0 2013	1 30	20		

Sample ID	MB-45106	SampType	MBLK			Units	mg/L	Prep Date	5/23/2008		RunNo	108601	
Client ID	ZZZZZZ	Batch ID	45106			SOP 3034		Analysis Date	5/27/2008		SeqNo	1958756	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium		< 0 0100	0 0100	0 01000	0	0	-100	100					

Sample ID	LCS-45106	SampType	LCS			Units	mg/L	Prep Date	5/23/2008		RunNo	108601	
Client ID	ZZZZZZ	Batch ID	45106			SOP 3034		Analysis Date	5/27/2008		SeqNo	1958758	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium		0 215	0 0100	0 2000	0	107 4	85	115					

Sample ID	08050900-015BMS	SampType	MS			Units	mg/L	Prep Date	5/23/2008		RunNo	108601	
Client ID	VMW301MS	Batch ID	45106			SOP 3034		Analysis Date	5/27/2008		SeqNo	1958767	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium		0 202	0 0100	0 2000	0	101 2	75	125					

Sample ID	08050900-015BMSD	SampType	MSD			Units	mg/L	Prep Date	5/23/2008		RunNo	108601	
Client ID	VMW301MSD	Batch ID	45106			SOP 3034		Analysis Date	5/27/2008		SeqNo	1958768	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium		0 206	0 0100	0 2000	0	102 8	75	125	0 2025	1 57	20		

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050900 **Report Date:** *02-Jun-08*

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Test Number: **SW7000 G**

Sample ID	MB-45107	SampType	MBLK			Units	mg/L	Prep Date	5/23/2008		RunNo	108554	
Client ID	ZZZZZZ	Batch ID	45107			SOP 3044		Analysis Date	5/24/2008		SeqNo	1957397	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	7421	< 0 0020	0 0020	0 002000	0	0	-100	100					

Sample ID	LCS-45107	SampType	LCS			Units	mg/L	Prep Date	5/23/2008		RunNo	108588	
Client ID	ZZZZZZ	Batch ID	45107			SOP 3044		Analysis Date	5/27/2008		SeqNo	1958419	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	7421	0 0153	0 0020	0 01500	0	102 0	80	120					

Sample ID	08050900-021BMSD	SampType	MSD			Units	mg/L	Prep Date	5/23/2008		RunNo	108588	
Client ID	VMW303MSD	Batch ID	45107			SOP 3044		Analysis Date	5/27/2008		SeqNo	1958422	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	7421	0 0162	0 0020	0 01500	0	107 7	70	130	0 01559	3 54	20		

Sample ID	08050900-021BMS	SampType	MS			Units	mg/L	Prep Date	5/23/2008		RunNo	108588	
Client ID	VMW303MS	Batch ID	45107			SOP 3044		Analysis Date	5/27/2008		SeqNo	1958441	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	7421	0 0156	0 0020	0 01500	0	103 9	70	130					

Sample ID	MB-45104	SampType	MBLK			Units	mg/L	Prep Date	5/23/2008		RunNo	108637	
Client ID	ZZZZZZ	Batch ID	45104			SOP 3044		Analysis Date	5/27/2008		SeqNo	1959915	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic	7060A	< 0 0030	0 0030	0 003000	0	0	-100	100					

Client: Philip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050900 **Report Date:** *02-Jun-08*

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Test Number: **SW7000 G**

Sample ID	LCS-45104	SampType	LCS			Units	mg/L	Prep Date	5/23/2008		RunNo	108637	
Client ID	ZZZZZZ	Batch ID	45104			SOP 3044		Analysis Date	5/27/2008		SeqNo	1959917	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic	7060A	0 0133	0 0030	0 01500	0	88 8	80	120					

Sample ID	08050900-015BMS	SampType	MS			Units	mg/L	Prep Date	5/23/2008		RunNo	108637	
Client ID	VMW301MS	Batch ID	45104			SOP 3044		Analysis Date	5/27/2008		SeqNo	1959939	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic	7060A	0 0163	0 0030	0 01500	0 001080	101 4	70	130					

Sample ID	08050900-015BMSD	SampType	MSD			Units	mg/L	Prep Date	5/23/2008		RunNo	108637	
Client ID	VMW301MSD	Batch ID	45104			SOP 3044		Analysis Date	5/27/2008		SeqNo	1959940	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic	7060A	0 0153	0 0030	0 01500	0 001080	95 0	70	130	0 01629	6 11	20		

Sample ID	MB-45107	SampType	MBLK			Units	mg/L	Prep Date	5/23/2008		RunNo	108637	
Client ID	ZZZZZZ	Batch ID	45107			SOP 3044		Analysis Date	5/27/2008		SeqNo	1959948	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic	7060A	< 0 0030	0 0030	0 003000	0	0	-100	100					

Sample ID	LCS-45107	SampType	LCS			Units	mg/L	Prep Date	5/23/2008		RunNo	108637	
Client ID	ZZZZZZ	Batch ID	45107			SOP 3044		Analysis Date	5/27/2008		SeqNo	1959949	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic	7060A	0 0147	0 0030	0 01500	0	98 3	80	120					

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050900 **Report Date:** *02-Jun-08*

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Test Number: **SW7000 G**

Sample ID	08050900-021BMS	SampType	MS			Units	mg/L	Prep Date	5/23/2008		RunNo	108637	
Client ID	VMW303MS	Batch ID	45107			SOP 3044		Analysis Date	5/27/2008		SeqNo	1959951	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic	7060A	0 0183	0 0060	0 01500	0 002298	106 9	70	130					

Sample ID	08050900-021BMSD	SampType	MSD			Units	mg/L	Prep Date	5/23/2008		RunNo	108637	
Client ID	VMW303MSD	Batch ID	45107			SOP 3044		Analysis Date	5/27/2008		SeqNo	1959952	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic	7060A	0 0181	0 0030	0 01500	0 002298	105 6	70	130	0 01834	1 06	20		

Sample ID	MB-45104	SampType	MBLK			Units	mg/L	Prep Date	5/23/2008		RunNo	108725	
Client ID	ZZZZZZ	Batch ID	45104			SOP 3044		Analysis Date	5/29/2008		SeqNo	1962681	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	7421	< 0 0020	0 0020	0 002000	0	0	-100	100					

Sample ID	LCS-45104	SampType	LCS			Units	mg/L	Prep Date	5/23/2008		RunNo	108725	
Client ID	ZZZZZZ	Batch ID	45104			SOP 3044		Analysis Date	5/29/2008		SeqNo	1962682	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	7421	0 0158	0 0020	0 01500	0	105 0	80	120					

Sample ID	MB-45104	SampType	MBLK			Units	mg/L	Prep Date	5/23/2008		RunNo	108762	
Client ID	ZZZZZZ	Batch ID	45104			SOP 3044		Analysis Date	5/30/2008		SeqNo	1963448	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	7421	< 0 0020	0 0020	0 002000	0	0	-100	100					

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Test Number: **SW7000 G**

Sample ID	08050900-015BMS	SampType	MS			Units	mg/L	Prep Date	5/23/2008		RunNo	108762	
Client ID	VMW301MS	Batch ID	45104			SOP 3044		Analysis Date	5/30/2008		SeqNo	1963464	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	7421	0 0152	0 0020	0 01500	0 0009506	94 8	70	130					

Sample ID	08050900-015BMSD	SampType	MSD			Units	mg/L	Prep Date	5/23/2008		RunNo	108762	
Client ID	VMW301MSD	Batch ID	45104			SOP 3044		Analysis Date	5/30/2008		SeqNo	1963465	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	7421	0 0153	0 0020	0 01500	0 0009506	95 9	70	130	0 01517	1 13	20		

Sample ID	LCS-45104	SampType	LCS			Units	mg/L	Prep Date	5/23/2008		RunNo	108762	
Client ID	ZZZZZZ	Batch ID	45104			SOP 3044		Analysis Date	5/30/2008		SeqNo	1963466	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	7421	0 0141	0 0020	0 01500	0	94 2	80	120					

Client: Philip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050900 **Report Date:** *02-Jun-08*

ANALYTICAL QC SUMMARY REPORT

Test Number: **SW8260B**

Sample ID	**LCS-T080523-2**	SampType	**LCS**			Units	**µg/L**	Prep Date	**5/23/2008**	RunNo	**108604**	
Client ID	**ZZZZZZ**	Batch ID	**45122**			**SW5030**		Analysis Date	**5/23/2008**	SeqNo	**1958860**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		50 9	2 0	50 00	0	101 9	82 7	117				
Ethylbenzene		52 4	5 0	50 00	0	104 9	83	113				
Toluene		49 0	5 0	50 00	0	97 9	79 6	116				
Xylenes, Total		106	5 0	100 0	0	105 9	80 3	120				
Surr 1,2-Dichloroethane-d4		48 9		50 00		97 8	74 7	129				
Surr 4-Bromofluorobenzene		51 6		50 00		103 3	86	119				
Surr Dibromofluoromethane		49 5		50 00		99 0	81 7	123				
Surr Toluene-d8		48 0		50 00		96 0	84 3	114				

Sample ID	**LCSD-T080523-2**	SampType	**LCSD**			Units	**µg/L**	Prep Date	**5/23/2008**	RunNo	**108604**	
Client ID	**ZZZZZZ**	Batch ID	**45122**			**SW5030**		Analysis Date	**5/23/2008**	SeqNo	**1958861**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		52 0	2 0	50 00	0	104 0	82 7	117	50 94	2 08	20	
Ethylbenzene		52 7	5 0	50 00	0	105 4	83	113	52 45	0 476	20	
Toluene		49 5	5 0	50 00	0	99 1	79 6	116	48 96	1 18	20	
Xylenes, Total		105	5 0	100 0	0	104 8	80 3	120	105 9	0 968	20	
Surr 1,2-Dichloroethane-d4		49 0		50 00		97 9	74 7	129		0	0	
Surr 4-Bromofluorobenzene		51 7		50 00		103 4	86	119		0	0	
Surr Dibromofluoromethane		49 6		50 00		99 2	81 7	123		0	0	
Surr Toluene-d8		47 3		50 00		94 6	84 3	114		0	0	

Sample ID	**MBLK-T080523-2**	SampType	**MBLK**			Units	**µg/L**	Prep Date	**5/23/2008**	RunNo	**108604**	
Client ID	**ZZZZZZ**	Batch ID	**45122**			**SW5030**		Analysis Date	**5/23/2008**	SeqNo	**1958862**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		ND	2 0									
Ethylbenzene		ND	5 0									
Toluene		ND	5 0									
Xylenes, Total		ND	5 0									

Client: Philip Environmental

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Test Number: **SW8260B**

Sample ID	MBLK-T080523-2	SampType	MBLK			Units	µg/L		Prep Date	5/23/2008		RunNo	108604	
Client ID	ZZZZZZ	Batch ID	45122				SW5030		Analysis Date	5/23/2008		SeqNo	1958862	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Surr 1,2-Dichloroethane-d4		47 0		50 00		94 0	74 7	129						
Surr 4-Bromofluorobenzene		51 2		50 00		102 4	86	119						
Surr Dibromofluoromethane		48 7		50 00		97 3	81 7	123						
Surr Toluene-d8		47 4		50 00		94 8	84 3	114						

Sample ID	LCS-T080528-2	SampType	LCS			Units	µg/L		Prep Date	5/28/2008		RunNo	108729	
Client ID	ZZZZZZ	Batch ID	45205				SW5030		Analysis Date	5/28/2008		SeqNo	1962356	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene		52 5	2 0	50 00	0	105 1	82 7	117						
Ethylbenzene		51 8	5 0	50 00	0	103 7	83	113						
Toluene		47 8	5 0	50 00	0	95 6	79 6	116						
Xylenes, Total		105	5 0	100 0	0	105 2	80 3	120						
Surr 1,2-Dichloroethane-d4		43 6		50 00		87 2	74 7	129						
Surr 4-Bromofluorobenzene		49 5		50 00		99 0	86	119						
Surr Dibromofluoromethane		48 2		50 00		96 4	81 7	123						
Surr Toluene-d8		46 1		50 00		92 1	84 3	114						

Sample ID	LCSD-T080528-2	SampType	LCSD			Units	µg/L		Prep Date	5/28/2008		RunNo	108729	
Client ID	ZZZZZZ	Batch ID	45205				SW5030		Analysis Date	5/28/2008		SeqNo	1962357	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene		50 5	2 0	50 00	0	101 0	82 7	117	52 54	4 00	20			
Ethylbenzene		51 0	5 0	50 00	0	102 0	83	113	51 85	1 65	20			
Toluene		46 6	5 0	50 00	0	93 2	79 6	116	47 78	2 54	20			
Xylenes, Total		102	5 0	100 0	0	102 2	80 3	120	105 2	2 84	20			
Surr 1,2-Dichloroethane-d4		42 4		50 00		84 7	74 7	129		0	0			
Surr 4-Bromofluorobenzene		48 4		50 00		96 7	86	119		0	0			
Surr Dibromofluoromethane		47 6		50 00		95 2	81 7	123		0	0			
Surr Toluene-d8		46 0		50 00		91 9	84 3	114		0	0			

Client: Philip Environmental
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Test Number: **SW8260B**

Sample ID	**MBLK-T080528-2**	SampType	**MBLK**			Units	**µg/L**	Prep Date	**5/28/2008**	RunNo	**108729**	
Client ID	**ZZZZZZ**	Batch ID	**45205**			**SW5030**		Analysis Date	**5/28/2008**	SeqNo	**1962358**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		ND	2 0									
Ethylbenzene		ND	5 0									
Toluene		ND	5 0									
Xylenes, Total		ND	5 0									
Surr 1,2-Dichloroethane-d4		42 1		50 00		84 2	74 7	129				
Surr 4-Bromofluorobenzene		48 0		50 00		96 0	86	119				
Surr Dibromofluoromethane		47 7		50 00		95 4	81 7	123				
Surr Toluene-d8		46 0		50 00		92 1	84 3	114				

Sample ID	**08050900-003DMS**	SampType	**MS**			Units	**µg/L**	Prep Date	**5/23/2008**	RunNo	**108604**	
Client ID	**VMW114MS**	Batch ID	**45122**			**SW5030**		Analysis Date	**5/24/2008**	SeqNo	**1958870**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		6210	200	5600	1322	87 3	57 8	125				
Toluene		5280	500	5600	148 0	91 6	75 8	123				
Ethylbenzene		7030	500	5600	1232	103 5	72 8	123				
Xylenes, Total		12600	500	11200	1008	103 4	73	127				
Surr 1,2-Dichloroethane-d4		4680		5000		93 6	74 7	129				
Surr 4-Bromofluorobenzene		5050		5000		101 1	86	119				
Surr Dibromofluoromethane		5010		5000		100 2	81 7	123				
Surr Toluene-d8		4760		5000		95 3	84 3	114				

Sample ID	**08050900-003DMSD**	SampType	**MSD**			Units	**µg/L**	Prep Date	**5/23/2008**	RunNo	**108604**	
Client ID	**VMW114MSD**	Batch ID	**45122**			**SW5030**		Analysis Date	**5/24/2008**	SeqNo	**1958871**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		6380	200	5600	1322	90 3	57 8	125	6213	2 65	20	
Toluene		5510	500	5600	148 0	95 8	75 8	123	5276	4 39	20	
Ethylbenzene		7250	500	5600	1232	107 4	72 8	123	7027	3 07	20	
Xylenes, Total		13100	500	11200	1008	107 6	73	127	12590	3 63	20	

Client: Philip Environmental

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Lab Order: 08050900 **Report Date:** *02-Jun-08*

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Test Number: **SW8260B**

Sample ID	**08050900-003DMSD**	SampType	**MSD**			Units	**µg/L**	Prep Date	**5/23/2008**	RunNo	**108604**	
Client ID	**VMW114MSD**	Batch ID	**45122**			**SW5030**		Analysis Date	**5/24/2008**	SeqNo	**1958871**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr 1,2-Dichloroethane-d4		4640		5000		92 7	74 7	129		0	0	
Surr 4-Bromofluorobenzene		5150		5000		103 0	86	119		0	0	
Surr Dibromofluoromethane		4910		5000		98 2	81 7	123		0	0	
Surr Toluene-d8		4780		5000		95 5	84 3	114		0	0	

Sample ID	**LCS-R080527-1**	SampType	**LCS**			Units	**µg/L**	Prep Date	**5/27/2008**	RunNo	**108662**	
Client ID	**ZZZZZZ**	Batch ID	**45166**			**SW5030**		Analysis Date	**5/27/2008**	SeqNo	**1960678**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		55 0	2 0	50 00	0	110 1	82 7	117				
Toluene		50 9	5 0	50 00	0	101 9	79 6	116				
Ethylbenzene		51 0	5 0	50 00	0	102 0	83	113				
Xylenes, Total		101	5 0	100 0	0	101 1	80 3	120				
Surr 1,2-Dichloroethane-d4		60 1		50 00		120 1	74 7	129				
Surr 4-Bromofluorobenzene		46 9		50 00		93 8	86	119				
Surr Dibromofluoromethane		54 7		50 00		109 3	81 7	123				
Surr Toluene-d8		48 8		50 00		97 5	84 3	114				

Sample ID	**LCSD-R080527-1**	SampType	**LCSD**			Units	**µg/L**	Prep Date	**5/27/2008**	RunNo	**108662**	
Client ID	**ZZZZZZ**	Batch ID	**45166**			**SW5030**		Analysis Date	**5/27/2008**	SeqNo	**1960679**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		53 8	2 0	50 00	0	107 6	82 7	117	55 03	2 28	20	
Toluene		49 9	5 0	50 00	0	99 9	79 6	116	50 94	2 00	20	
Ethylbenzene		49 8	5 0	50 00	0	99 6	83	113	50 98	2 30	20	
Xylenes, Total		98 7	5 0	100 0	0	98 7	80 3	120	101 1	2 35	0	
Surr 1,2-Dichloroethane-d4		60 4		50 00		120 8	74 7	129		0	0	
Surr 4-Bromofluorobenzene		46 4		50 00		92 8	86	119		0	0	
Surr Dibromofluoromethane		54 8		50 00		109 6	81 7	123		0	0	
Surr Toluene-d8		48 8		50 00		97 6	84 3	114		0	0	

Client: Philip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050900 **Report Date:** *02-Jun-08*

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Test Number: **SW8260B**

Sample ID	MBLK-R080527-1	SampType	MBLK			Units	µg/L	Prep Date	5/27/2008		RunNo	108662	
Client ID	ZZZZZZ	Batch ID	45166				SW5030	Analysis Date	5/27/2008		SeqNo	1960680	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene		ND	2 0										
Toluene		ND	5 0										
Ethylbenzene		ND	5 0										
Xylenes, Total		ND	5 0										
Surr 1,2-Dichloroethane-d4		57 7		50 00		115 4	74 7	129					
Surr 4-Bromofluorobenzene		47 7		50 00		95 3	86	119					
Surr Dibromofluoromethane		55 6		50 00		111 2	81 7	123					
Surr Toluene-d8		49 6		50 00		99 3	84 3	114					

Sample ID	LCS-R080527-2	SampType	LCS			Units	µg/L	Prep Date	5/27/2008		RunNo	108671	
Client ID	ZZZZZZ	Batch ID	45168				SW5030	Analysis Date	5/27/2008		SeqNo	1960846	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene		53 7	2 0	50 00	0	107 5	82 7	117					
Toluene		49 7	5 0	50 00	0	99 4	79 6	116					
Ethylbenzene		49 5	5 0	50 00	0	98 9	83	113					
Xylenes, Total		98 5	5 0	100 0	0	98 5	80 3	120					
Surr 1,2-Dichloroethane-d4		60 1		50 00		120 2	74 7	129					
Surr 4-Bromofluorobenzene		46 9		50 00		93 8	86	119					
Surr Dibromofluoromethane		54 8		50 00		109 5	81 7	123					
Surr Toluene-d8		48 8		50 00		97 6	84 3	114					

Sample ID	LCSD-R080527-2	SampType	LCSD			Units	µg/L	Prep Date	5/27/2008		RunNo	108671	
Client ID	ZZZZZZ	Batch ID	45168				SW5030	Analysis Date	5/27/2008		SeqNo	1960847	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene		56 0	2 0	50 00	0	111 9	82 7	117	53 73	4 07	20		
Toluene		52 4	5 0	50 00	0	104 7	79 6	116	49 70	5 23	20		
Ethylbenzene		52 1	5 0	50 00	0	104 1	83	113	49 46	5 12	20		
Xylenes, Total		103	5 0	100 0	0	103 4	80 3	120	98 45	4 89	0		

Client: Philip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050900 **Report Date:** *02-Jun-08*

ANALYTICAL QC SUMMARY REPORT

Test Number: **SW8260B**

Sample ID	LCSD-R080527-2	SampType	LCSD			Units	µg/L		Prep Date	5/27/2008		RunNo	108671	
Client ID	ZZZZZZ	Batch ID	45168			SW5030			Analysis Date	5/27/2008		SeqNo	1960847	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Surr 1,2-Dichloroethane-d4		60 5		50 00		121 1	74 7	129		0	0			
Surr 4-Bromofluorobenzene		46 2		50 00		92 5	86	119		0	0			
Surr Dibromofluoromethane		54 7		50 00		109 4	81 7	123		0	0			
Surr Toluene-d8		49 0		50 00		98 1	84 3	114		0	0			

Sample ID	MBLK-R080527-2	SampType	MBLK			Units	µg/L		Prep Date	5/27/2008		RunNo	108671	
Client ID	ZZZZZZ	Batch ID	45168			SW5030			Analysis Date	5/27/2008		SeqNo	1960848	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene		ND	2 0											
Toluene		ND	5 0											
Ethylbenzene		ND	5 0											
Xylenes, Total		ND	5 0											
Surr 1,2-Dichloroethane-d4		57 7		50 00		115 5	74 7	129						
Surr 4-Bromofluorobenzene		47 6		50 00		95 1	86	119						
Surr Dibromofluoromethane		56 1		50 00		112 2	81 7	123						
Surr Toluene-d8		49 6		50 00		99 2	84 3	114						

Sample ID	08050900-015DMS	SampType	MS			Units	µg/L		Prep Date	5/27/2008		RunNo	108671	
Client ID	VMW301MS	Batch ID	45166			SW5030			Analysis Date	5/28/2008		SeqNo	1960851	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene		46 3	2 0	56 00	0	82 6	57 8	125						
Toluene		49 8	5 0	56 00	0	89 0	75 8	123						
Ethylbenzene		51 9	5 0	56 00	0	92 7	72 8	123						
Xylenes, Total		103	5 0	112 0	2 930	89 4	73	127						
Surr 1,2-Dichloroethane-d4		57 7		50 00		115 5	74 7	129						
Surr 4-Bromofluorobenzene		48 1		50 00		96 1	86	119						
Surr Dibromofluoromethane		54 1		50 00		108 2	81 7	123						
Surr Toluene-d8		48 4		50 00		96 8	84 3	114						

Client: Philip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050900 **Report Date:** *02-Jun-08*

ANALYTICAL QC SUMMARY REPORT

Test Number: **SW8260B**

Sample ID	08050900-015DMSD	SampType	MSD	Units	µg/L	Prep Date	5/27/2008	RunNo	108671
Client ID	VMW301MSD	Batch ID	45166		SW5030	Analysis Date	5/28/2008	SeqNo	1960852

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46 0	2 0	56 00	0	82 2	57 8	125	46 26	0 542	20	
Toluene	50 2	5 0	56 00	0	89 6	75 8	123	49 85	0 660	20	
Ethylbenzene	51 9	5 0	56 00	0	92 7	72 8	123	51 89	0 0193	20	
Xylenes, Total	104	5 0	112 0	2 930	90 6	73	127	103 1	1 29	20	
Surr 1,2-Dichloroethane-d4	58 3		50 00		116 7	74 7	129		0	0	
Surr 4-Bromofluorobenzene	47 6		50 00		95 1	86	119		0	0	
Surr Dibromofluoromethane	54 3		50 00		108 5	81 7	123		0	0	
Surr Toluene-d8	48 8		50 00		97 5	84 3	114		0	0	

Sample ID	08050900-026DMS	SampType	MS	Units	µg/L	Prep Date	5/27/2008	RunNo	108671
Client ID	VMW300MS	Batch ID	45168		SW5030	Analysis Date	5/28/2008	SeqNo	1960862

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46 4	2 0	56 00	0	82 8	57 8	125				
Toluene	51 4	5 0	56 00	0	91 8	75 8	123				
Ethylbenzene	52 8	5 0	56 00	0	94 2	72 8	123				
Xylenes, Total	101	5 0	112 0	0	90 4	73	127				
Surr 1,2-Dichloroethane-d4	58 9		50 00		117 9	74 7	129				
Surr 4-Bromofluorobenzene	49 2		50 00		98 4	86	119				
Surr Dibromofluoromethane	55 6		50 00		111 1	81 7	123				
Surr Toluene-d8	48 8		50 00		97 6	84 3	114				

Sample ID	08050900-026DMSD	SampType	MSD	Units	µg/L	Prep Date	5/27/2008	RunNo	108671
Client ID	VMW300MSD	Batch ID	45168		SW5030	Analysis Date	5/28/2008	SeqNo	1960863

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46 5	2 0	56 00	0	83 0	57 8	125	46 39	0 215	20	
Toluene	51 9	5 0	56 00	0	92 7	75 8	123	51 38	0 988	20	
Ethylbenzene	53 2	5 0	56 00	0	94 9	72 8	123	52 75	0 793	20	
Xylenes, Total	102	5 0	112 0	0	91 3	73	127	101 3	1 00	20	

Client: Philip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050900 **Report Date:** *02-Jun-08*

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Test Number: **SW8260B**

Sample ID **08050900-026DMSD**	SampType **MSD**			Units **µg/L**	Prep Date **5/27/2008**		RunNo **108671**		
Client ID **VMW300MSD**	Batch ID **45168**			**SW5030**	Analysis Date **5/28/2008**		SeqNo **1960863**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr 1,2-Dichloroethane-d4	59 2		50 00		118 4	74 7	129		0	0	
Surr 4-Bromofluorobenzene	49 3		50 00		98 5	86	119		0	0	
Surr Dibromofluoromethane	55 4		50 00		110 9	81 7	123		0	0	
Surr Toluene-d8	48 9		50 00		97 8	84 3	114		0	0	

Client: Philip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050900 **Report Date:** *02-Jun-08*

ANALYTICAL QC SUMMARY REPORT

Test Number: SW8270C

Sample ID **MB-45076**	SampType **MBLK**			Units **mg/L**		Prep Date **5/23/2008**		RunNo **108529**		
Client ID **ZZZZZZ**	Batch ID **45076**			**SW3510C**		Analysis Date **5/23/2008**		SeqNo **1956810**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 00010									
Acenaphthylene	ND	0 00010									
Anthracene	ND	0 00010									
Benzo(a)anthracene	ND	0 00010									
Benzo(a)pyrene	ND	0 00010									
Benzo(b)fluoranthene	ND	0 00010									
Benzo(g,h,i)perylene	ND	0 00010									
Benzo(k)fluoranthene	ND	0 00010									
Chrysene	ND	0 00010									
Dibenzo(a,h)anthracene	ND	0 00010									
Fluoranthene	ND	0 00010									
Fluorene	ND	0 00010									
Indeno(1,2,3-cd)pyrene	ND	0 00010									
m,p-Cresol	ND	0 00010									
Naphthalene	ND	0 00010									
o-Cresol	ND	0 00010									
Phenanthrene	ND	0 00010									
Pyrene	ND	0 00010									
Total PNAs except Naphthalene	ND	0 00013									
Surr 2-Fluorobiphenyl	0 00345		0 005000		69 0	45 7	108				
Surr Nitrobenzene-d5	0 00334		0 005000		66 8	39 4	112				
Surr p-Terphenyl-d14	0 00413		0 005000		82 6	58 6	130				

Sample ID **LCS-45076**	SampType **LCS**			Units **mg/L**		Prep Date **5/23/2008**		RunNo **108529**		
Client ID **ZZZZZZ**	Batch ID **45076**			**SW3510C**		Analysis Date **5/23/2008**		SeqNo **1956811**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 00362	0 00010	0 005000	0	72 4	50 1	103				
Acenaphthylene	0 00460	0 00010	0 005000	0	92 1	53 3	122				
Anthracene	0 00367	0 00010	0 005000	0	73 3	57 4	110				

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050900 **Report Date:** *02-Jun-08*

ANALYTICAL QC SUMMARY REPORT

Test Number: **SW8270C**

Sample ID **LCS-45076**	SampType **LCS**			Units **mg/L**		Prep Date **5/23/2008**		RunNo **108529**			
Client ID **ZZZZZZ**	Batch ID **45076**			**SW3510C**		Analysis Date **5/23/2008**		SeqNo **1956811**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	0 00356	0 00010	0 005000	0	71 1	56	102				
Benzo(a)pyrene	0 00417	0 00010	0 005000	0	83 3	55 4	125				
Benzo(b)fluoranthene	0 00409	0 00010	0 005000	0	81 9	59 3	127				
Benzo(g,h,i)perylene	0 00404	0 00010	0 005000	0	80 9	58 4	125				
Benzo(k)fluoranthene	0 00391	0 00010	0 005000	0	78 2	61 5	125				
Chrysene	0 00387	0 00010	0 005000	0	77 4	58 7	118				
Dibenzo(a,h)anthracene	0 00413	0 00010	0 005000	0	82 7	59 3	126				
Fluoranthene	0 00367	0 00010	0 005000	0	73 4	60 1	117				
Fluorene	0 00372	0 00010	0 005000	0	74 5	54 1	110				
Indeno(1,2,3-cd)pyrene	0 00404	0 00010	0 005000	0	80 8	58 1	123				
m,p-Cresol	0 00285	0 00010	0 005000	0	57 1	17 9	107				
Naphthalene	0 00332	0 00010	0 005000	0	66 3	36 3	97 1				
o-Cresol	0 00334	0 00010	0 005000	0	66 7	20 5	109				
Phenanthrene	0 00356	0 00010	0 005000	0	71 3	55 9	107				
Pyrene	0 00377	0 00010	0 005000	0	75 3	61 4	116				
Surr 2-Fluorobiphenyl	0 00328		0 005000		65 6	41 9	97 9				
Surr Nitrobenzene-d5	0 00348		0 005000		69 6	39 9	106				
Surr p-Terphenyl-d14	0 00409		0 005000		81 8	53	116				

Sample ID **LCSD-45076**	SampType **LCSD**			Units **mg/L**		Prep Date **5/23/2008**		RunNo **108529**			
Client ID **ZZZZZZ**	Batch ID **45076**			**SW3510C**		Analysis Date **5/23/2008**		SeqNo **1956812**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 00360	0 00010	0 005000	0	72 0	50 1	103	0 003619	0 499	50	
Acenaphthylene	0 00462	0 00010	0 005000	0	92 4	53 3	122	0 004603	0 347	50	
Anthracene	0 00389	0 00010	0 005000	0	77 8	57 4	110	0 003667	5 90	50	
Benzo(a)anthracene	0 00364	0 00010	0 005000	0	72 9	56	102	0 003556	2 44	50	
Benzo(a)pyrene	0 00414	0 00010	0 005000	0	82 7	55 4	125	0 004166	0 723	50	
Benzo(b)fluoranthene	0 00399	0 00010	0 005000	0	79 7	59 3	127	0 004093	2 62	50	
Benzo(g,h,i)perylene	0 00400	0 00010	0 005000	0	79 9	58 4	125	0 004044	1 19	50	

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Test Number: **SW8270C**

Sample ID **LCSD-45076**	SampType **LCSD**			Units **mg/L**		Prep Date **5/23/2008**		RunNo **108529**			
Client ID **ZZZZZZ**	Batch ID **45076**			**SW3510C**		Analysis Date **5/23/2008**		SeqNo **1956812**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0 00388	0 00010	0 005000	0	77 6	61 5	125	0 003911	0 770	50	
Chrysene	0 00397	0 00010	0 005000	0	79 5	58 7	118	0 003869	2 68	50	
Dibenzo(a,h)anthracene	0 00414	0 00010	0 005000	0	82 8	59 3	126	0 004134	0 169	50	
Fluoranthene	0 00386	0 00010	0 005000	0	77 2	60 1	117	0 003668	5 05	50	
Fluorene	0 00376	0 00010	0 005000	0	75 3	54 1	110	0 003725	1 04	50	
Indeno(1,2,3-cd)pyrene	0 00402	0 00010	0 005000	0	80 5	58 1	123	0 004041	0 422	50	
m,p-Cresol	0 00296	0 00010	0 005000	0	59 1	17 9	107	0 002853	3 55	50	
Naphthalene	0 00309	0 00010	0 005000	0	61 8	36 3	97 1	0 003316	6 99	50	
o-Cresol	0 00353	0 00010	0 005000	0	70 6	20 5	109	0 003336	5 59	50	
Phenanthrene	0 00382	0 00010	0 005000	0	76 4	55 9	107	0 003564	6 96	50	
Pyrene	0 00390	0 00010	0 005000	0	77 9	61 4	116	0 003766	3 42	50	
Surr 2-Fluorobiphenyl	0 00353		0 005000		70 6	41 9	97 9		0	50	
Surr Nitrobenzene-d5	0 00363		0 005000		72 6	39 9	106		0	50	
Surr p-Terphenyl-d14	0 00438		0 005000		87 6	53	116		0	50	

Sample ID **MB-45119**	SampType **MBLK**			Units **mg/L**		Prep Date **5/27/2008**		RunNo **108638**			
Client ID **ZZZZZZ**	Batch ID **45119**			**SW3510C**		Analysis Date **5/27/2008**		SeqNo **1959967**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 00010									
Acenaphthylene	ND	0 00010									
Anthracene	ND	0 00010									
Benzo(a)anthracene	ND	0 00010									
Benzo(a)pyrene	ND	0 00010									
Benzo(b)fluoranthene	ND	0 00010									
Benzo(g,h,i)perylene	ND	0 00010									
Benzo(k)fluoranthene	ND	0 00010									
Bis(2-ethylhexyl)phthalate	ND	0 00200									
Chrysene	ND	0 00010									
Dibenzo(a,h)anthracene	ND	0 00010									

Client: Philip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050900 **Report Date:** *02-Jun-08*

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Test Number: **SW8270C**

Sample ID **MB-45119**	SampType **MBLK**			Units **mg/L**		Prep Date **5/27/2008**		RunNo **108638**		
Client ID **ZZZZZZ**	Batch ID **45119**			**SW3510C**		Analysis Date **5/27/2008**		SeqNo **1959967**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diethyl phthalate	ND	0 00100									
Dimethyl phthalate	ND	0 00100									
Di-n-butyl phthalate	ND	0 00100									
Fluoranthene	ND	0 00010									
Fluorene	ND	0 00010									
Indeno(1,2,3-cd)pyrene	ND	0 00010									
m,p-Cresol	ND	0 00010									
Naphthalene	ND	0 00010									
o-Cresol	ND	0 00010									
Phenanthrene	ND	0 00010									
Pyrene	ND	0 00010									
Total PNAs except Naphthalene	ND	0 00013									
Surr 2-Fluorobiphenyl	0 00315		0 005000		63 0	45 7	108				
Surr 2-Fluorophenol	0 00457		0 01000		45 7	20 9	78 6				
Surr Nitrobenzene-d5	0 00352		0 005000		70 4	39 4	112				
Surr Phenol-d5	0 00287		0 01000		28 7	15 2	52 9				
Surr p-Terphenyl-d14	0 00389		0 005000		77 8	58 6	130				

Sample ID **LCS-45119**	SampType **LCS**			Units **mg/L**		Prep Date **5/27/2008**		RunNo **108638**		
Client ID **ZZZZZZ**	Batch ID **45119**			**SW3510C**		Analysis Date **5/27/2008**		SeqNo **1959968**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 00387	0 00010	0 005000	0	77 4	50 1	103				
Acenaphthylene	0 00497	0 00010	0 005000	0	99 4	53 3	122				
Anthracene	0 00392	0 00010	0 005000	0	78 4	57 4	110				
Benzo(a)anthracene	0 00383	0 00010	0 005000	0	76 6	56	102				
Benzo(a)pyrene	0 00426	0 00010	0 005000	0	85 2	55 4	125				
Benzo(b)fluoranthene	0 00407	0 00010	0 005000	0	81 3	59 3	127				
Benzo(g,h,i)perylene	0 00412	0 00010	0 005000	0	82 4	58 4	125				
Benzo(k)fluoranthene	0 00412	0 00010	0 005000	0	82 5	61 5	125				

Client: Philip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050900 **Report Date:** *02-Jun-08*

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Test Number: **SW8270C**

Sample ID	LCS-45119	SampType	LCS			Units	mg/L		Prep Date	5/27/2008		RunNo	108638	
Client ID	ZZZZZZ	Batch ID	45119				SW3510C		Analysis Date	5/27/2008		SeqNo	1959968	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual			
Bis(2-ethylhexyl)phthalate	0 00441	0 00200	0 005000	0	88 1	63 2	152							
Chrysene	0 00419	0 00010	0 005000	0	83 8	58 7	118							
Dibenzo(a,h)anthracene	0 00414	0 00010	0 005000	0	82 8	59 3	126							
Diethyl phthalate	0 00402	0 00100	0 005000	0	80 3	55 3	133							
Dimethyl phthalate	0 00407	0 00100	0 005000	0	81 4	55 7	112							
Di-n-butyl phthalate	0 00448	0 00100	0 005000	0	89 6	61 5	130							
Fluoranthene	0 00384	0 00010	0 005000	0	76 9	60 1	117							
Fluorene	0 00397	0 00010	0 005000	0	79 3	54 1	110							
Indeno(1,2,3-cd)pyrene	0 00403	0 00010	0 005000	0	80 6	58 1	123							
m,p-Cresol	0 00283	0 00010	0 005000	0	56 6	17 9	107							
Naphthalene	0 00356	0 00010	0 005000	0	71 1	36 3	97 1							
o-Cresol	0 00352	0 00010	0 005000	0	70 5	20 5	109							
Phenanthrene	0 00393	0 00010	0 005000	0	78 6	55 9	107							
Pyrene	0 00394	0 00010	0 005000	0	78 9	61 4	116							
Surr 2-Fluorobiphenyl	0 00272		0 005000		54 4	41 9	97 9							
Surr 2-Fluorophenol	0 00463		0 01000		46 3	16 1	79 2							
Surr Nitrobenzene-d5	0 00350		0 005000		70 0	39 9	106							
Surr Phenol-d5	0 00294		0 01000		29 4	9 94	53 7							
Surr p-Terphenyl-d14	0 00385		0 005000		77 0	53	116							

Sample ID	LCSD-45119	SampType	LCSD			Units	mg/L		Prep Date	5/27/2008		RunNo	108638	
Client ID	ZZZZZZ	Batch ID	45119				SW3510C		Analysis Date	5/27/2008		SeqNo	1959969	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual			
Acenaphthene	0 00367	0 00010	0 005000	0	73 5	50 1	103	0 003869	5 20	50				
Acenaphthylene	0 00485	0 00010	0 005000	0	97 0	53 3	122	0 004970	2 40	50				
Anthracene	0 00383	0 00010	0 005000	0	76 6	57 4	110	0 003922	2 32	50				
Benzo(a)anthracene	0 00369	0 00010	0 005000	0	73 9	56	102	0 003829	3 59	50				
Benzo(a)pyrene	0 00414	0 00010	0 005000	0	82 8	55 4	125	0 004262	2 93	50				
Benzo(b)fluoranthene	0 00392	0 00010	0 005000	0	78 4	59 3	127	0 004066	3 61	50				

Client: Philip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050900 **Report Date:** *02-Jun-08*

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Test Number: **SW8270C**

Sample ID	**LCSD-45119**	SampType	**LCSD**			Units	**mg/L**	Prep Date	**5/27/2008**		RunNo	**108638**	
Client ID	**ZZZZZZ**	Batch ID	**45119**				**SW3510C**	Analysis Date	**5/27/2008**		SeqNo	**1959969**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzo(g,h,i)perylene		0 00405	0 00010	0 005000	0	81 1	58 4	125	0 004122	1 66	50		
Benzo(k)fluoranthene		0 00414	0 00010	0 005000	0	82 8	61 5	125	0 004125	0 363	50		
Bis(2-ethylhexyl)phthalate		0 00442	0 00200	0 005000	0	88 5	63 2	152	0 004407	0 385	50		
Chrysene		0 00406	0 00010	0 005000	0	81 1	58 7	118	0 004188	3 20	50		
Dibenzo(a,h)anthracene		0 00401	0 00010	0 005000	0	80 3	59 3	126	0 004139	3 07	50		
Diethyl phthalate		0 00415	0 00100	0 005000	0	83 0	55 3	133	0 004016	3 31	0		
Dimethyl phthalate		0 00402	0 00100	0 005000	0	80 3	55 7	112	0 004070	1 34	0		
Di-n-butyl phthalate		0 00435	0 00100	0 005000	0	87 0	61 5	130	0 004480	2 90	50		
Fluoranthene		0 00378	0 00010	0 005000	0	75 7	60 1	117	0 003843	1 57	50		
Fluorene		0 00376	0 00010	0 005000	0	75 3	54 1	110	0 003967	5 25	50		
Indeno(1,2,3-cd)pyrene		0 00400	0 00010	0 005000	0	80 0	58 1	123	0 004032	0 822	50		
m,p-Cresol		0 00259	0 00010	0 005000	0	51 9	17 9	107	0 002829	8 71	50		
Naphthalene		0 00348	0 00010	0 005000	0	69 6	36 3	97 1	0 003557	2 19	50		
o-Cresol		0 00327	0 00010	0 005000	0	65 4	20 5	109	0 003523	7 48	50		
Phenanthrene		0 00397	0 00010	0 005000	0	79 4	55 9	107	0 003930	0 962	50		
Pyrene		0 00387	0 00010	0 005000	0	77 4	61 4	116	0 003945	1 95	50		
Surr 2-Fluorobiphenyl		0 00270		0 005000		54 0	41 9	97 9		0	50		
Surr 2-Fluorophenol		0 00437		0 01000		43 7	16 1	79 2		0	50		
Surr Nitrobenzene-d5		0 00336		0 005000		67 2	39 9	106		0	50		
Surr Phenol-d5		0 00275		0 01000		27 5	9 94	53 7		0	50		
Surr p-Terphenyl-d14		0 00380		0 005000		76 0	53	116		0	50		

Sample ID	**MB-45131**	SampType	**MBLK**			Units	**mg/L**	Prep Date	**5/27/2008**		RunNo	**108676**	
Client ID	**ZZZZZZ**	Batch ID	**45131**				**SW3510C**	Analysis Date	**5/28/2008**		SeqNo	**1961022**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Acenaphthene		ND	0 00010										
Acenaphthylene		ND	0 00010										
Anthracene		ND	0 00010										
Benzo(a)anthracene		ND	0 00010										

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
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Test Number: SW8270C

Sample ID **MB-45131**	SampType **MBLK**			Units **mg/L**		Prep Date **5/27/2008**		RunNo **108676**			
Client ID **ZZZZZZ**	Batch ID **45131**			**SW3510C**		Analysis Date **5/28/2008**		SeqNo **1961022**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	ND	0 00010									
Benzo(b)fluoranthene	ND	0 00010									
Benzo(g,h,i)perylene	ND	0 00010									
Benzo(k)fluoranthene	ND	0 00010									
Bis(2-ethylhexyl)phthalate	ND	0 00200									
Chrysene	ND	0 00010									
Dibenzo(a,h)anthracene	ND	0 00010									
Diethyl phthalate	ND	0 00100									
Dimethyl phthalate	ND	0 00100									
Di-n-butyl phthalate	ND	0 00100									
Fluoranthene	ND	0 00010									
Fluorene	ND	0 00010									
Indeno(1,2,3-cd)pyrene	ND	0 00010									
m,p-Cresol	ND	0 00010									
Naphthalene	ND	0 00010									
o-Cresol	ND	0 00010									
Phenanthrene	ND	0 00010									
Pyrene	ND	0 00010									
Total PNAs except Naphthalene	ND	0 00013									
Surr 2-Fluorobiphenyl	0 00301		0 005000		60 2	45 7	108				
Surr 2-Fluorophenol	0 00448		0 01000		44 8	20 9	78 6				
Surr Nitrobenzene-d5	0 00325		0 005000		65 0	39 4	112				
Surr Phenol-d5	0 00279		0 01000		27 9	15 2	52 9				
Surr p-Terphenyl-d14	0 00384		0 005000		76 8	58 6	130				

Sample ID **LCS-45131**	SampType **LCS**			Units **mg/L**		Prep Date **5/27/2008**		RunNo **108676**			
Client ID **ZZZZZZ**	Batch ID **45131**			**SW3510C**		Analysis Date **5/28/2008**		SeqNo **1961023**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 00365	0 00010	0 005000	0	73 0	50 1	103				

Client: Philip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050900 **Report Date:** *02-Jun-08*

ANALYTICAL QC SUMMARY REPORT

Test Number: **SW8270C**

Sample ID	LCS-45131	SampType	LCS			Units	mg/L	Prep Date	5/27/2008	RunNo	108676
Client ID	ZZZZZZ	Batch ID	45131				SW3510C	Analysis Date	5/28/2008	SeqNo	1961023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	0 00485	0 00010	0 005000	0	97 1	53 3	122				
Anthracene	0 00368	0 00010	0 005000	0	73 6	57 4	110				
Benzo(a)anthracene	0 00354	0 00010	0 005000	0	70 8	56	102				
Benzo(a)pyrene	0 00398	0 00010	0 005000	0	79 7	55 4	125				
Benzo(b)fluoranthene	0 00374	0 00010	0 005000	0	74 7	59 3	127				
Benzo(g,h,i)perylene	0 00408	0 00010	0 005000	0	81 5	58 4	125				
Benzo(k)fluoranthene	0 00386	0 00010	0 005000	0	77 3	61 5	125				
Bis(2-ethylhexyl)phthalate	0 00413	0 00200	0 005000	0	82 6	63 2	152				
Chrysene	0 00399	0 00010	0 005000	0	79 7	58 7	118				
Dibenzo(a,h)anthracene	0 00405	0 00010	0 005000	0	81 1	59 3	126				
Diethyl phthalate	0 00393	0 00100	0 005000	0	78 5	55 3	133				
Dimethyl phthalate	0 00372	0 00100	0 005000	0	74 3	55 7	112				
Di-n-butyl phthalate	0 00388	0 00100	0 005000	0	77 6	61 5	130				
Fluoranthene	0 00358	0 00010	0 005000	0	71 7	60 1	117				
Fluorene	0 00382	0 00010	0 005000	0	76 4	54 1	110				
Indeno(1,2,3-cd)pyrene	0 00396	0 00010	0 005000	0	79 3	58 1	123				
m,p-Cresol	0 00263	0 00010	0 005000	0	52 6	17 9	107				
Naphthalene	0 00327	0 00010	0 005000	0	65 5	36 3	97 1				
o-Cresol	0 00321	0 00010	0 005000	0	64 2	20 5	109				
Phenanthrene	0 00371	0 00010	0 005000	0	74 2	55 9	107				
Pyrene	0 00372	0 00010	0 005000	0	74 3	61 4	116				
Surr 2-Fluorobiphenyl	0 00237		0 005000		47 4	41 9	97 9				
Surr 2-Fluorophenol	0 00388		0 01000		38 8	16 1	79 2				
Surr Nitrobenzene-d5	0 00298		0 005000		59 6	39 9	106				
Surr Phenol-d5	0 00256		0 01000		25 6	9 94	53 7				
Surr p-Terphenyl-d14	0 00362		0 005000		72 4	53	116				

Client: Philip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050900 **Report Date:** *02-Jun-08*

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Test Number: **SW8270C**

Sample ID **LCSD-45131**	SampType **LCSD**			Units **mg/L**		Prep Date **5/27/2008**		RunNo **108676**		
Client ID **ZZZZZZ**	Batch ID **45131**			**SW3510C**		Analysis Date **5/28/2008**		SeqNo **1961024**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 00340	0 00010	0 005000	0	67 9	50 1	103	0 003652	7 24	50	
Acenaphthylene	0 00438	0 00010	0 005000	0	87 5	53 3	122	0 004854	10 4	50	
Anthracene	0 00384	0 00010	0 005000	0	76 8	57 4	110	0 003678	4 26	50	
Benzo(a)anthracene	0 00368	0 00010	0 005000	0	73 6	56	102	0 003539	3 85	50	
Benzo(a)pyrene	0 00419	0 00010	0 005000	0	83 8	55 4	125	0 003984	5 02	50	
Benzo(b)fluoranthene	0 00406	0 00010	0 005000	0	81 2	59 3	127	0 003736	8 34	50	
Benzo(g,h,i)perylene	0 00424	0 00010	0 005000	0	84 9	58 4	125	0 004076	4 01	50	
Benzo(k)fluoranthene	0 00401	0 00010	0 005000	0	80 2	61 5	125	0 003864	3 71	50	
Bis(2-ethylhexyl)phthalate	0 00423	0 00200	0 005000	0	84 6	63 2	152	0 004130	2 44	50	
Chrysene	0 00413	0 00010	0 005000	0	82 5	58 7	118	0 003986	3 45	50	
Dibenzo(a,h)anthracene	0 00427	0 00010	0 005000	0	85 3	59 3	126	0 004054	5 12	50	
Diethyl phthalate	0 00386	0 00100	0 005000	0	77 3	55 3	133	0 003927	1 64	0	
Dimethyl phthalate	0 00384	0 00100	0 005000	0	76 8	55 7	112	0 003716	3 31	0	
Di-n-butyl phthalate	0 00420	0 00100	0 005000	0	83 9	61 5	130	0 003882	7 77	50	
Fluoranthene	0 00375	0 00010	0 005000	0	75 0	60 1	117	0 003585	4 47	50	
Fluorene	0 00361	0 00010	0 005000	0	72 2	54 1	110	0 003820	5 65	50	
Indeno(1,2,3-cd)pyrene	0 00421	0 00010	0 005000	0	84 2	58 1	123	0 003964	6 07	50	
m,p-Cresol	0 00256	0 00010	0 005000	0	51 2	17 9	107	0 002630	2 70	50	
Naphthalene	0 00317	0 00010	0 005000	0	63 4	36 3	97 1	0 003274	3 26	50	
o-Cresol	0 00312	0 00010	0 005000	0	62 5	20 5	109	0 003211	2 78	50	
Phenanthrene	0 00385	0 00010	0 005000	0	77 0	55 9	107	0 003710	3 73	50	
Pyrene	0 00386	0 00010	0 005000	0	77 2	61 4	116	0 003715	3 83	50	
Surr 2-Fluorobiphenyl	0 00247		0 005000		49 4	41 9	97 9		0	50	
Surr 2-Fluorophenol	0 00412		0 01000		41 2	16 1	79 2		0	50	
Surr Nitrobenzene-d5	0 00296		0 005000		59 2	39 9	106		0	50	
Surr Phenol-d5	0 00255		0 01000		25 5	9 94	53 7		0	50	
Surr p-Terphenyl-d14	0 00398		0 005000		79 6	53	116		0	50	

Client: Philip Environmental

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Lab Order: 08050900 **Report Date:** *02-Jun-08*

ANALYTICAL QC SUMMARY REPORT

Test Number: **SW8270C**

Sample ID **08050900-015AMS**	SampType **MS**			Units **mg/L**		Prep Date **5/27/2008**		RunNo **108701**			
Client ID **VMW301MS**	Batch ID **45119**			**SW3510C**		Analysis Date **5/29/2008**		SeqNo **1962689**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 00670	0 00010	0 01000	0 0007750	59 2	42 4	117				
Acenaphthylene	0 0158	0 00010	0 01000	0 009025	67 9	48 4	133				
Anthracene	0 00589	0 00010	0 01000	0	58 9	52 4	115				
Benzo(a)anthracene	0 00624	0 00010	0 01000	0	62 4	50 8	105				
Benzo(a)pyrene	0 00706	0 00010	0 01000	0	70 6	53 3	126				
Benzo(b)fluoranthene	0 00687	0 00010	0 01000	0	68 7	53 5	131				
Benzo(g,h,i)perylene	0 00738	0 00010	0 01000	0	73 9	54 6	127				
Benzo(k)fluoranthene	0 00693	0 00010	0 01000	0	69 3	56 2	128				
Bis(2-ethylhexyl)phthalate	0 00741	0 00200	0 01000	0	74 1	57 2	152				
Chrysene	0 00668	0 00010	0 01000	0	66 8	54 4	122				
Dibenzo(a,h)anthracene	0 00725	0 00010	0 01000	0	72 5	54 8	127				
Diethyl phthalate	0 00652	0 00100	0 01000	0	65 2	55 3	133				
Dimethyl phthalate	0 00660	0 00100	0 01000	0	66 0	55 7	112				
Di-n-butyl phthalate	0 00743	0 00100	0 01000	0 0005050	69 2	62 8	127				
Fluoranthene	0 00609	0 00010	0 01000	0	60 9	54 5	122				
Fluorene	0 00622	0 00010	0 01000	0	62 3	47 7	119				
Indeno(1,2,3-cd)pyrene	0 00719	0 00010	0 01000	0	71 9	53 2	125				
m,p-Cresol	0 00703	0 00010	0 01000	0 003117	39 2	17 9	107				
Naphthalene	0 00599	0 00010	0 01000	0 0007290	52 6	36 3	107				
o-Cresol	0 00511	0 00010	0 01000	0	51 1	20 5	109				
Phenanthrene	0 00637	0 00010	0 01000	0	63 7	51	112				
Pyrene	0 00636	0 00010	0 01000	0	63 6	55 9	121				
Surr 2-Fluorobiphenyl	0 00564		0 01000		56 4	41 1	108				
Surr 2-Fluorophenol	0 00646		0 02000		32 3	16 8	65 9				
Surr Nitrobenzene-d5	0 00610		0 01000		61 0	37 6	105				
Surr Phenol-d5	0 00402		0 02000		20 1	11	42 8				
Surr p-Terphenyl-d14	0 00623		0 01000		62 3	49	113				

Client: Philip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050900 **Report Date:** *02-Jun-08*

ANALYTICAL QC SUMMARY REPORT

Test Number: **SW8270C**

Sample ID **08050900-015AMSD**	SampType **MSD**	Units **mg/L**	Prep Date **5/27/2008**	RunNo **108701**
Client ID **VMW301MSD**	Batch ID **45119**	**SW3510C**	Analysis Date **5/29/2008**	SeqNo **1962690**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 00716	0 00010	0 01000	0 0007750	63 8	42 4	117	0 006699	6 62	50	
Acenaphthylene	0 0163	0 00010	0 01000	0 009025	72 4	48 4	133	0 01582	2 77	50	
Anthracene	0 00685	0 00010	0 01000	0	68 5	52 4	115	0 005886	15 2	50	
Benzo(a)anthracene	0 00695	0 00010	0 01000	0	69 5	50 8	105	0 006245	10 7	50	
Benzo(a)pyrene	0 00790	0 00010	0 01000	0	79 0	53 3	126	0 007064	11 2	50	
Benzo(b)fluoranthene	0 00756	0 00010	0 01000	0	75 6	53 5	131	0 006873	9 52	50	
Benzo(g,h,i)perylene	0 00837	0 00010	0 01000	0	83 7	54 6	127	0 007385	12 5	50	
Benzo(k)fluoranthene	0 00767	0 00010	0 01000	0	76 7	56 2	128	0 006926	10 2	50	
Bis(2-ethylhexyl)phthalate	0 0136	0 00200	0 01000	0	135 7	57 2	152	0 007413	58 7	50	R
Chrysene	0 00749	0 00010	0 01000	0	74 9	54 4	122	0 006682	11 4	50	
Dibenzo(a,h)anthracene	0 00818	0 00010	0 01000	0	81 8	54 8	127	0 007249	12 1	50	
Diethyl phthalate	0 00730	0 00100	0 01000	0	73 0	55 3	133	0 006517	11 4	0	
Dimethyl phthalate	0 00701	0 00100	0 01000	0	70 1	55 7	112	0 006600	6 07	0	
Di-n-butyl phthalate	0 00814	0 00100	0 01000	0 0005050	76 4	62 8	127	0 007426	9 21	50	
Fluoranthene	0 00678	0 00010	0 01000	0	67 8	54 5	122	0 006092	10 6	50	
Fluorene	0 00693	0 00010	0 01000	0	69 3	47 7	119	0 006225	10 7	50	
Indeno(1,2,3-cd)pyrene	0 00805	0 00010	0 01000	0	80 5	53 2	125	0 007189	11 3	50	
m,p-Cresol	0 00741	0 00010	0 01000	0 003117	42 9	17 9	107	0 007032	5 19	50	
Naphthalene	0 00620	0 00010	0 01000	0 0007290	54 7	36 3	107	0 005986	3 50	50	
o-Cresol	0 00539	0 00010	0 01000	0	53 9	20 5	109	0 005109	5 35	50	
Phenanthrene	0 00726	0 00010	0 01000	0	72 6	51	112	0 006372	13 0	50	
Pyrene	0 00722	0 00010	0 01000	0	72 3	55 9	121	0 006361	12 7	50	
Surr 2-Fluorobiphenyl	0 00542		0 01000		54 2	41 1	108		0	50	
Surr 2-Fluorophenol	0 00646		0 02000		32 3	16 8	65 9		0	50	
Surr Nitrobenzene-d5	0 00628		0 01000		62 8	37 6	105		0	50	
Surr Phenol-d5	0 00414		0 02000		20 7	11	42 8		0	50	
Surr p-Terphenyl-d14	0 00675		0 01000		67 5	49	113		0	50	

Client: Philip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08050900 **Report Date:** *02-Jun-08*

ANALYTICAL QC SUMMARY REPORT

Test Number: **SW9012A Aqueous (TCN**

Sample ID	**MBLK**	SampType	**MBLK**			Units	**mg/L**	Prep Date		RunNo	**108747**	
Client ID	**ZZZZZZ**	Batch ID	**R108747**					Analysis Date	**5/29/2008**	SeqNo	**1963050**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		< 0 007	0 007									

Sample ID	**LCS**	SampType	**LCS**			Units	**mg/L**	Prep Date		RunNo	**108747**	
Client ID	**ZZZZZZ**	Batch ID	**R108747**					Analysis Date	**5/29/2008**	SeqNo	**1963054**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		0 100	0 007	0 1000	0	99 9	85	115				

Sample ID	**LCSQC**	SampType	**LCSQC**			Units	**mg/L**	Prep Date		RunNo	**108747**	
Client ID	**ZZZZZZ**	Batch ID	**R108747**					Analysis Date	**5/29/2008**	SeqNo	**1963057**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		0 075	0 007	0 1000	0	75 3	62	111				

Sample ID	**08050900-015C MS**	SampType	**MS**			Units	**mg/L**	Prep Date		RunNo	**108747**	
Client ID	**VMW301MS**	Batch ID	**R108747**					Analysis Date	**5/29/2008**	SeqNo	**1963066**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		0 098	0 007	0 1000	0	97 9	75	125				

Sample ID	**08050900-015C MSD**	SampType	**MSD**			Units	**mg/L**	Prep Date		RunNo	**108747**	
Client ID	**VMW301MSD**	Batch ID	**R108747**					Analysis Date	**5/29/2008**	SeqNo	**1963067**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		0 098	0 007	0 1000	0	98 1	75	125	0 09792	0 153	15	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL· 618-344-1004
FAX 618-344-1005

RECEIVING CHECK LIST

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08050900
Report Date: 02-Jun-08

Carrier: John Linnemann

Received By: EKS

Completed by: Amanda M Harris
On: 23-May-08

Reviewed by: Elizabeth A Hurley
On: 23-May-08

Pages to follow: Chain of custody [3] Extra pages included [0]

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	0 2
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑		
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐	
Chain of custody present?	Yes ☑	No ☐			
Chain of custody signed when relinquished and received?	Yes ☑	No ☐			
Chain of custody agrees with sample labels?	Yes ☑	No ☐			
Samples in proper container/bottle?	Yes ☑	No ☐			
Sample containers intact?	Yes ☑	No ☐			
Sufficient sample volume for indicated test?	Yes ☑	No ☐			
All samples received within holding time?	Yes ☑	No ☐			
Reported field parameters measured	Field ☐	Lab ☐	NA ☑		
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐			
When thermal preservation is required, samples are compliant with a temperature between 0 1°C - 6 0°C, or when samples are received on ice the same day as collected					
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐		
Water - pH acceptable upon receipt?	Yes ☐	No ☑			

Any No responses must be detailed below or on the COC

Additional sodium hydroxide was needed in VMW115, VMW114, VMW113, VMW107, VMW116, VMW106, VMW105, VMW121, VMW108, VMW302, VMW302D, VMW110, VMW301, VMW303, VMW303D, and VMW304 upon arrival at the laboratory

080509C

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230
(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

COC Serial No. B 09065

Project Name: AMEREN CHAMPAIGN **Project Mgr.:** D. INGRAM

Project Number: 62403053 **Cost Code:**

Sampler(s): J. LINNEMANN, J. BIGNALL, S. CRAVENS

Laboratory Name: TEKLAB
Location: Collinsville, IL

Ø headspace

Laboratory Temperature upon Receipt: 0.2° ice

Analyses by Method Name and Number

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX 8260	PAH 8270 SIMS	Total Cyanide 9010	Chrome, Lead, Arsenic, 6000+7000 Series						Comments (Field PID)	Lab ID #'s
TRIP BLANK	5/12/08	12:30		X				2	X										08050900-001
UMW 115	5/20/08	09:30		X				5	X	X	X	X							-002
UMW 114		11:50		X				5	X	X	X	X							-003
UMW 113		13:10		X				5	X	X	X	X							-004
UMW 107		15:05		X				5	X	X	X	X							-005
UMW 116		16:40		X				5	X	X	X	X							-006
UMW 106	5/21/08	10:40		X				5	X	X	X	X							-007
UMW 105		10:41		X				5	X	X	X	X							-008
UMW 121		12:40		X				5	X	X	X	X							-009
UMW 108		13:40		X				5	X	X	X	X							-010
UMW 302		13:43		X				5	X	X	X	X							-011
UMW 302 D		13:51		X				5	X	X	X	X							-012

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☑ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☑ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT: ☐ Rush ☐ 5 Days ☒ STD ☐ Other

Fax and/or Mail Results to: D. INGRAM

Send Invoice to: SAME

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other

Special Guidelines:

Reporting Limits:

* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
[signature]	5/23/08	12:00

Received by:

Signature	Date	Time
[signature]	5/23/08	1200

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230
(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

0805090

COC Serial No. B 09066

Project Name: AMEREN CHAMPAIGN Project Mgr.: D. INGRAM
Project Number: 62403053 Cost Code:
Sampler(s): J. LINNEMANN, J. BIGNALL, S. CRAVENS
Laboratory Name: TEKLAB
Location: Collinsville, IL

Laboratory Temperature upon Receipt: 0.2° vee

Analyses by Method Name and Number

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX 8260	PAH 8270 SIM	Total Cyanide 9010	Chrome, Lead, Arsenic 6000 + 7000 Series						Comments (Field PID)	Lab ID #'s
UMW 110	5/21/08	15:55		X				5	X	X	X	X							08050900-013
UMW 117	5/21/08	16:45		X				5	X	X	X	X							-014
UMW 301	5/21/08	17:00		X				10	X	X	X	X						MS/MSD	-015
UMW 104	5/22/08	09:02		X				5	X	X	X	X							-016
UMW 102		09:45		X				5	X	X	X	X							-017
UMW 120		10:01		X				5	X	X	X	X							-018
UMW 119		11:11		X				5	X	X	X	X							-019
UMW 111A		11:50		X				5	X	X	X	X							-020
UMW 303		13:27		X				5	X	X	X	X							-021
UMW 303D		13:34		X				5	X	X	X	X							-022
UMW 304		14:38		X				5	X	X	X	X							-023
UMW 118		15:39		X				5	X	X	X	X							-024

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☒ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☒ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: D. INGRAM
Send Invoice to: SAME
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
[signature]	5/23/08	1200

Received by:

Signature	Date	Time
[signature]	5/23/08	1200

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230
(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

080509

COC Serial No. B 09067

Project Name: AMEREN CHAMPAIGN Project Mgr.: D. INGRAM
Project Number: 62403053 Cost Code:
Sampler(s): J. LINNEMANN, J. BIGNALL, S. CRAVENS
Laboratory Name: TEKLAB
Location: Collinsville, IL

Laboratory Temperature upon Receipt: 0.2° ice

Analyses by Method Name and Number

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX 8260	PAH 8270 sims	Total Cyanide 9010	Chrome, Lead, Arsenic 6000+7000 series							Comments (Field PID)	Lab ID #'s
VMW109	5/22/08	15:40		X				5	X	X	X	X								08050900-025
VMW300	5/23/08	08:00		X				5	X	X	X	X								-026

Added NaOH to all samples except: VMW117, VMW104, VMW102, VMW120, VMW119, VMW111A, VMW118, VMW109, & VMW300 TLH/BMP 5/23/08

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☑ Volatile Organics ..... Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid (HNO_3)
- ☑ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

Lab Directives:

Requested TAT. ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: D. INGRAM
Send Invoice to SAME
QC Deliverable Requested. ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits.
* Special:

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
[signature]	5/23/08	12:00

Received by:

Signature	Date	Time
[signature]	5/23/08	1200

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Completed by Lab

PE-179 (6/03)

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

July 03, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH

NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign 62403053 **WorkOrder:** 08060975

Dear Derek Ingram:

TEKLAB, INC received 1 sample on 6/27/2008 3:20:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A. White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

SAMPLE SUMMARY

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08060975
Report Date: 03-Jul-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08060975-001	WW-2	3	6/27/2008 7:45.00 AM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL· 618-344-1004
FAX 618-344-1005

Client: Philip Environmental

CASE NARRATIVE

Project: A831-735002-012901-225/IP Champaign 62403053

LabOrder: 08060975

Report Date: 03-Jul-08

Cooler Receipt Temp: 10.4 °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	# - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08060975
Lab ID: 08060975-001
Report Date: 03-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: WW-2
Collection Date: 6/27/2008 7:45:00 AM
Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA 600 350.1 R2.0 (TOTAL)								
Nitrogen, Ammonia (as N)	NELAP	0 10		**1.43**	mg/L	1	6/30/2008 11.59:57 AM	BED
EPA 600 351.2 R2.0 (TOTAL)								
Total Kjeldahl Nitrogen (as N)	NELAP	0 29		**2.86**	mg/L	1	7/2/2008 10:52 29 AM	BED
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1 00		**12.1**		1	6/27/2008 5:49 00 PM	LMK
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5	E	**101**	mg/L	1	6/27/2008 6:10:00 PM	TWM

Sample Narrative

Standard Methods 18th Ed 5210 B

Results are estimated, biased high

Laboratory control sample did not recover within QC limits.

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

'RONMENTAL TESTING LABORATORY

TEL· 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08060975
Report Date: 03-Jul-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08060975-001A	WW-2	6/27/2008	Waste Water	Standard Methods 18th Ed 5210 B	6/27/2008	6/27/2008
08060975-001B				EPA 600 350 1 R2 0 (Total)		6/30/2008
				EPA 600 351 2 R2 0 (Total)		7/2/2008
08060975-001C				Standard Method 18th Ed. 4500-H B, Laboratory Analyzed		6/27/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors.

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report.

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report.

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Client lip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08060975 **Report Date:** *03-Jul-08*

ANALYTICAL QC SUMMARY REPC

TestCode: A_NH3_E_AT_350.1R2

Sample ID **MBLK**	SampType **MBLK**			Units **mg/L**		Prep Date:		RunNo **110026**		
Client ID **ZZZZZZ**	Batch ID. **R110026**					Analysis Date **6/30/2008**		SeqNo **1989410**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (as N)	< 0.10	0 10									

Sample ID **LCS**	SampType **LCS**			Units **mg/L**		Prep Date		RunNo **110026**		
Client ID **ZZZZZZ**	Batch ID. **R110026**					Analysis Date **6/30/2008**		SeqNo: **1989412**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (as N)	2.45	0 10	2.500	0	98 1	90	110				

Sample ID **08060975-001B MS**	SampType **MS**			Units **mg/L**		Prep Date		RunNo. **110026**		
Client ID **WW-2MS**	Batch ID **R110026**					Analysis Date: **6/30/2008**		SeqNo: **1989438**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (as N)	3 37	0 10	2.000	1 432	96.8	85	115				

Sample ID. **08060975-001B MSD**	SampType: **MSD**			Units **mg/L**		Prep Date		RunNo: **110026**		
Client ID **WW-2MSD**	Batch ID: **R110026**					Analysis Date: **6/30/2008**		SeqNo **1989439**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (as N)	3 32	0 10	2.000	1 432	94 5	85	115	3 367	1 35	10	

Client ip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08060975 **Report Date:** *03-Jul-08*

ANALYTICAL QC SUMMARY REPC

TestCode: A_TKN_E_AT_351.2R2

Sample ID. **MBLK**	SampType **MBLK**	Units **mg/L**	Prep Date	RunNo **110101**
Client ID **ZZZZZZ**	Batch ID **R110101**		Analysis Date **7/2/2008**	SeqNo **1991281**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Kjeldahl Nitrogen (as N)	< 0 21	0 21									

Sample ID **LCS**	SampType **LCS**	Units **mg/L**	Prep Date:	RunNo **110101**
Client ID **ZZZZZZ**	Batch ID **R110101**		Analysis Date **7/2/2008**	SeqNo **1991282**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Kjeldahl Nitrogen (as N)	9 72	0.21	10.00	0	97.2	85	115				

Sample ID **08060975-001B MS**	SampType. **MS**	Units **mg/L**	Prep Date	RunNo **110101**
Client ID **WW-2MS**	Batch ID **R110101**		Analysis Date **7/2/2008**	SeqNo **1991284**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Kjeldahl Nitrogen (as N)	16 6	0.29	13.60	2 857	101 1	85	115				

Sample ID: **08060975-001B MSD**	SampType: **MSD**	Units **mg/L**	Prep Date.	RunNo **110101**
Client ID **WW-2MSD**	Batch ID **R110101**		Analysis Date **7/2/2008**	SeqNo **1991285**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Kjeldahl Nitrogen (as N)	16 4	0.29	13 60	2 857	99 6	85	115	16 61	1 29	15	

IL ELAP and NELAP Accredited - Accreditation #100226

ANALYTICAL QC SUMMARY REPC

TestCode: I_BOD_M_AT

Sample ID **LCS-45947**	SampType. **LCS**			Units **mg/L**		Prep Date. **6/27/2008**		RunNo **110095**			
Client ID **ZZZZZZ**	Batch ID **45947**			**SOP 2030**		Analysis Date **6/27/2008**		SeqNo **1991192**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	303	5	198 0	0	153 0	84 6	115 4				SE

Sample ID: **08060975-001A-DUP**	SampType. **DUP**			Units **mg/L**		Prep Date **6/27/2008**		RunNo **110095**			
Client ID **WW-2DUP**	Batch ID **45947**			**SOP 2030**		Analysis Date **6/27/2008**		SeqNo **1991197**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	102	5						101 0	0 985	40	E

Sample ID: **LCSQC-45947**	SampType **LCSQC**			Units **mg/L**		Prep Date **6/27/2008**		RunNo **110095**			
Client ID **ZZZZZZ**	Batch ID **45947**			**SOP 2030**		Analysis Date **6/27/2008**		SeqNo: **1991200**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	40	5	29.30	0	136 5	70	129				SE

IL ELAP and NELAP Accredited - Accreditation #100226

ANALYTICAL QC SUMMARY REPC

TestCode: I_PH_M_AT_NF

Sample ID	LCS-R109951	SampType:	LCS			Units		Prep Date		RunNo	109951	
Client ID	ZZZZZZ	Batch ID	R109951					Analysis Date	6/27/2008	SeqNo	1988202	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab pH	6 99	1.00	7 000	0	99 9	99 1	100 9					

Sample ID.	LCS-R109951	SampType	LCS			Units		Prep Date		RunNo	109951	
Client ID	ZZZZZZ	Batch ID	R109951					Analysis Date	6/27/2008	SeqNo	1988631	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab pH	7 00	1.00	7 000	0	100	99 1	100 9					

Sample ID	08060975-001CDUP	SampType	DUP			Units		Prep Date		RunNo	109951	
Client ID	WW-2DUP	Batch ID	R109951					Analysis Date	6/27/2008	SeqNo	1988633	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lab pH	12 1	1 00						12 12	0 165	10		

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

RECEIVING CHECK LIST

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08060975
Report Date: 03-Jul-08

Carrier: Rachael Husan

Received By: EC

Completed by: Erin Clarke
On: 27-Jun-08

Reviewed by: Elizabeth A Hurley
On: 28-Jun-08

Pages to follow | Chain of custody: 1 | Extra pages included: 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	10 4	
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑			
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑			
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐		
Chain of custody present?	Yes ☑	No ☐				
Chain of custody signed when relinquished and received?	Yes ☑	No ☐				
Chain of custody agrees with sample labels?	Yes ☑	No ☐				
Samples in proper container/bottle?	Yes ☑	No ☐				
Sample containers intact?	Yes ☑	No ☐				
Sufficient sample volume for indicated test?	Yes ☑	No ☐				
All samples received within holding time?	Yes ☑	No ☐				
Reported field parameters measured	Field ☐	Lab ☑	NA ☐			
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐				

When thermal preservation is required, samples are compliant with a temperature between 0 1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Any No responses must be detailed below or on the COC.

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

08060975

COC Serial No. B 08890

Project Name: Ameren IP Champaign Project Mgr.: Derek Ingram
Project Number: 60243053 Cost Code: 024501
Sampler(s): R Husar
Laboratory Name: Teklab
Location: Collinsville, IL

Matrix: Soil | Water | Air | Wipes | Other *

Total Number of Containers

Analyses by Method Name and Number: Ammonia | Total Nitrogen | pH | 5 day BOD

Laboratory Temperature upon Receipt: 10.4 iced

PRES. ✓ EDC

Sample Number and (depth)	Date	Time	Soil	Water	Air	Wipes	Other *	Total Number of Containers	Ammonia	Total Nitrogen	pH	5 day BOD	Comments (Field PID)	Lab ID #'s
~~Work Water Analysis~~ WW-2	6/27	0745		X					X	X	X	X		08060975-001

*PER DEREK I., PROCEED W/ TKN. EDC 6/30/08

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics . . . . Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) . . . . Sodium Bisulfate/Methanol
- ☐ TPH . . . . Hydrochloric acid and/or Sulfuric acid
- ☐ Metals . . . . . Nitric acid (HNO_3)
- ☐ Cyanide . . . . . Sodium hydroxide (NaOH)
- ☐ Other (Specify) . . _____

Lab Directives:

Requested TAT ☐ Rush ☐ 5 Days ☒ NTD ☐ Other _____
Fax and/or Mail Results to D. Ingram
Send Invoice to: _____
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____
Special Guidelines _____
Reporting Limits: _____
* Special _____

Shipping:

Carrier / Airbill No

Relinquished by:

Signature	Date	Time
Rachael Husar	6/27/08	1520

Received by:

Signature	Date	Time
[signature]	6/27/08	1520

Distribution WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be C[illegible] [illegible]d by Lab

PE-179 (6/03)

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX 618-344-1005

July 16, 2008

Derek Ingram
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH nelac

NELAP Accredited #100226

RE: A831-735002-012901-225/IP Champaign 62403053 **WorkOrder:** 08070355

Dear Derek Ingram:

TEKLAB, INC received 3 samples on 7/10/2008 5:17:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A. White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

SAMPLE SUMMARY

Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08070355
Report Date: 16-Jul-08

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08070355-001	UMW 305	4	7/10/2008 11.16 00 AM
08070355-002	UMW 306	4	7/10/2008 12:11.00 PM
08070355-003	UMW 307	4	7/10/2008 12:57.00 PM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX 618-344-1005

Client: Philip Environmental

CASE NARRATIVE

Project: A831-735002-012901-225/IP Champaign 62403053

LabOrder: 08070355

Report Date: 16-Jul-08

Cooler Receipt Temp: 9.2 °C

State accreditations:

KS NELAP #E-10347 | KY: UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	# - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

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ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08070355
Lab ID: 08070355-001
Report Date: 16-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: UMW 305
Collection Date: 7/10/2008 11:16:00 AM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**< 0.007**	mg/L	1	7/15/2008 1 45.49 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0.0100**	mg/L	1	7/14/2008 9 48 37 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0.0030	J	**0.0016**	mg/L	1	7/14/2008 10 18 36 AM	JMW
Lead	7421	NELAP	0.0020		**< 0.0020**	mg/L	1	7/15/2008 1 43 20 PM	JMW
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Anthracene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100	J	**0.00062**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Naphthalene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5 13.00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5:13 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**ND**	mg/L	1	7/11/2008 5 13 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**82.0**	%REC	1	7/11/2008 5 13 00 PM	TDN
Surr 2-Fluorophenol			16.8-65 9		**55.5**	%REC	1	7/11/2008 5 13.00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**76.2**	%REC	1	7/11/2008 5 13 00 PM	TDN
Surr Phenol-d5			11-42 8		**35.6**	%REC	1	7/11/2008 5 13 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**79.4**	%REC	1	7/11/2008 5 13 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2.0		**ND**	µg/L	1	7/11/2008 6 58 00 AM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	7/11/2008 6 58 00 AM	TAL

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08070355
Lab ID: 08070355-001
Report Date: 16-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: UMW 305
Collection Date: 7/10/2008 11:16:00 AM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	7/11/2008 6 58 00 AM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	7/11/2008 6 58 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**109.1**	%REC	1	7/11/2008 6 58 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**102.0**	%REC	1	7/11/2008 6 58:00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**105.5**	%REC	1	7/11/2008 6 58 00 AM	TAL
Surr Toluene-d8		84 3-114		**94.7**	%REC	1	7/11/2008 6 58 00 AM	TAL

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08070355
Lab ID: 08070355-002
Report Date: 16-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: UMW 306
Collection Date: 7/10/2008 12:11:00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**0.010**	mg/L	1	7/15/2008 1.54 49 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0.0100**	mg/L	1	7/14/2008 9 50 19 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030	J	**0.0018**	mg/L	1	7/14/2008 10 35.34 AM	JMW
Lead	7421	NELAP	0 0020		**< 0.0020**	mg/L	1	7/14/2008 11 08.16 AM	JMW
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 6 24 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 6.24 00 PM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 6 24 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 6 24 00 PM	TDN
Benzo(a)pyrene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6.24 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 6 24.00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 6 24 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 6 24 00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	7/11/2008 6.24 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 6 24 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 6 24 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	7/11/2008 6 24 00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	7/11/2008 6 24 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	7/11/2008 6 24 00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 6.24 00 PM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 6.24 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 6 24 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 6 24 00 PM	TDN
Naphthalene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 6 24 00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 6.24 00 PM	TDN
Phenanthrene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 6 24 00 PM	TDN
Pyrene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 6.24 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**ND**	mg/L	1	7/11/2008 6.24 00 PM	TDN
Surr 2-Fluorobiphenyl			41 1-108		**79.8**	%REC	1	7/11/2008 6 24 00 PM	TDN
Surr 2-Fluorophenol			16 8-65 9		**53.0**	%REC	1	7/11/2008 6 24 00 PM	TDN
Surr Nitrobenzene-d5			37.6-105		**74.6**	%REC	1	7/11/2008 6 24 00 PM	TDN
Surr Phenol-d5			11-42 8		**34.3**	%REC	1	7/11/2008 6 24 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**76.2**	%REC	1	7/11/2008 6 24 00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**ND**	µg/L	1	7/11/2008 7 29 00 AM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	7/11/2008 7 29 00 AM	TAL

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08070355
Lab ID: 08070355-002
Report Date: 16-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: UMW 306
Collection Date: 7/10/2008 12:11:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	7/11/2008 7:29 00 AM	TAL
Xylenes, Total	NELAP	5 0		**ND**	µg/L	1	7/11/2008 7:29 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**109.0**	%REC	1	7/11/2008 7 29.00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**100.6**	%REC	1	7/11/2008 7 29 00 AM	TAL
Surr Dibromofluoromethane		81 7-123		**104.4**	%REC	1	7/11/2008 7 29 00 AM	TAL
Surr. Toluene-d8		84 3-114		**94.6**	%REC	1	7/11/2008 7 29 00 AM	TAL

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08070355
Lab ID: 08070355-003
Report Date: 16-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: UMW 307
Collection Date: 7/10/2008 12.57:00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 9012A (TOTAL) MODIFIED									
Cyanide			0 007		**0.016**	mg/L	1	7/15/2008 1 59.06 PM	BED
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Chromium		NELAP	0 0100		**< 0.0100**	mg/L	1	7/14/2008 9 55 27 AM	CRK
SW-846 3020A, METALS BY GFAA (TOTAL)									
Arsenic	7060A	NELAP	0 0030	J	**0.0030**	mg/L	1	7/14/2008 10 38 58 AM	JMW
Lead	7421	NELAP	0 0020	J	**0.0011**	mg/L	1	7/14/2008 12 32 54 PM	JMW
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 7 00 00 PM	TDN
Acenaphthylene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 7 00 00 PM	TDN
Anthracene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 7 00 00 PM	TDN
Benzo(a)anthracene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 7 00.00 PM	TDN
Benzo(a)pyrene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 7 00 00 PM	TDN
Benzo(b)fluoranthene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7 00 00 PM	TDN
Benzo(g,h,i)perylene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 7 00 00 PM	TDN
Benzo(k)fluoranthene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 7 00:00 PM	TDN
Bis(2-ethylhexyl)phthalate		NELAP	0 00200		**ND**	mg/L	1	7/11/2008 7 00 00 PM	TDN
Chrysene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 7 00 00 PM	TDN
Dibenzo(a,h)anthracene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 7 00 00 PM	TDN
Diethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	7/11/2008 7:00.00 PM	TDN
Dimethyl phthalate		NELAP	0 00100		**ND**	mg/L	1	7/11/2008 7 00 00 PM	TDN
Di-n-butyl phthalate		NELAP	0 00100		**ND**	mg/L	1	7/11/2008 7 00.00 PM	TDN
Fluoranthene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 7 00 00 PM	TDN
Fluorene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 7 00 00 PM	TDN
Indeno(1,2,3-cd)pyrene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 7 00 00 PM	TDN
m,p-Cresol		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 7 00.00 PM	TDN
Naphthalene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 7 00:00 PM	TDN
o-Cresol		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 7 00:00 PM	TDN
Phenanthrene		NELAP	0 00010		**ND**	mg/L	1	7/11/2008 7.00:00 PM	TDN
Pyrene		NELAP	0.00010		**ND**	mg/L	1	7/11/2008 7:00 00 PM	TDN
Total PNAs except Naphthalene			0 00013		**ND**	mg/L	1	7/11/2008 7 00 00 PM	TDN
Surr: 2-Fluorobiphenyl			41 1-108		**77.8**	%REC	1	7/11/2008 7 00 00 PM	TDN
Surr 2-Fluorophenol			16 8-65.9		**53.8**	%REC	1	7/11/2008 7 00 00 PM	TDN
Surr Nitrobenzene-d5			37 6-105		**74.2**	%REC	1	7/11/2008 7:00 00 PM	TDN
Surr Phenol-d5			11-42 8		**34.6**	%REC	1	7/11/2008 7 00 00 PM	TDN
Surr p-Terphenyl-d14			49-113		**67.4**	%REC	1	7/11/2008 7.00:00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene		NELAP	2 0		**ND**	µg/L	1	7/11/2008 7:59 00 AM	TAL
Ethylbenzene		NELAP	5 0		**ND**	µg/L	1	7/11/2008 7 59 00 AM	TAL

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08070355
Lab ID: 08070355-003
Report Date: 16-Jul-08

Client Project: A831-735002-012901-225/IP Champ
Client Sample ID: UMW 307
Collection Date: 7/10/2008 12:57:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Toluene	NELAP	5 0		**ND**	µg/L	1	7/11/2008 7 59 00 AM	TAL
Xylenes, Total	NELAP	5.0		**ND**	µg/L	1	7/11/2008 7.59 00 AM	TAL
Surr 1,2-Dichloroethane-d4		74 7-129		**109.3**	%REC	1	7/11/2008 7 59 00 AM	TAL
Surr 4-Bromofluorobenzene		86-119		**99.8**	%REC	1	7/11/2008 7 59 00 AM	TAL
Surr. Dibromofluoromethane		81 7-123		**105.4**	%REC	1	7/11/2008 7 59 00 AM	TAL
Surr Toluene-d8		84 3-114		**95.6**	%REC	1	7/11/2008 7 59 00 AM	TAL

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental

Project: A831-735002-012901-225/IP Champaign 62403053

Lab Order: 08070355

Report Date: 16-Jul-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08070355-001A	UMW 305	7/10/2008	Groundwater	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/10/2008	7/11/2008
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/10/2008	7/11/2008
08070355-001B				SW-846 3005A, 6010B, Metals by ICP (Total)	7/11/2008	7/14/2008
				SW-846 3020A, Metals by GFAA (Total)	7/11/2008	7/14/2008
				SW-846 3020A, Metals by GFAA (Total)	7/11/2008	7/14/2008
				SW-846 3020A, Metals by GFAA (Total)	7/11/2008	7/15/2008
08070355-001C				SW-846 9012A (Total) Modified		7/15/2008
08070355-001D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	7/10/2008	7/11/2008
08 -002A	UMW 306			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/10/2008	7/11/2008
08070355-002B				SW-846 3005A, 6010B, Metals by ICP (Total)	7/11/2008	7/14/2008
				SW-846 3020A, Metals by GFAA (Total)	7/11/2008	7/14/2008
				SW-846 3020A, Metals by GFAA (Total)	7/11/2008	7/14/2008
08070355-002C				SW-846 9012A (Total) Modified		7/15/2008
08070355-002D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	7/10/2008	7/11/2008
08070355-003A	UMW 307			SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/10/2008	7/11/2008
				SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	7/10/2008	7/11/2008
08070355-003B				SW-846 3005A, 6010B, Metals by ICP (Total)	7/11/2008	7/14/2008
				SW-846 3020A, Metals by GFAA (Total)	7/11/2008	7/14/2008
				SW-846 3020A, Metals by GFAA (Total)	7/11/2008	7/14/2008
08070355-003C				SW-846 9012A (Total) Modified		7/15/2008
08070355-003D				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	7/10/2008	7/11/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

ANALYTICAL QC SUMMARY REI :T

TestCode: A_TCN_S_AT_9012A

Sample ID **MBLK**	SampType **MBLK**	Units **mg/L**	Prep Date	RunNo **110617**
Client ID **ZZZZZZ**	Batch ID **R110617**		Analysis Date **7/15/2008**	SeqNo **2003744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0 007	0 007									

Sample ID **LCS**	SampType **LCS**	Units **mg/L**	Prep Date	RunNo **110617**
Client ID **ZZZZZZ**	Batch ID **R110617**		Analysis Date **7/15/2008**	SeqNo **2003746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.100	0 007	0 1000	0	99 8	85	115				

Sample ID **LCSQC**	SampType **LCSQC**	Units **mg/L**	Prep Date	RunNo **110617**
Client ID **ZZZZZZ**	Batch ID **R110617**		Analysis Date **7/15/2008**	SeqNo **2003747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0 084	0 007	0 1000	0	83 8	62	111				

Sample ID **08070355-003C MS**	SampType **MS**	Units **mg/L**	Prep Date	RunNo **110617**
Client ID **UMW 307MS**	Batch ID **R110617**		Analysis Date **7/15/2008**	SeqNo **2003760**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.116	0 007	0 1000	0.01615	99 9	75	125				

Sample ID. **08070355-003C MSD**	SampType **MSD**	Units **mg/L**	Prep Date	RunNo **110617**
Client ID **UMW 307MSD**	Batch ID **R110617**		Analysis Date **7/15/2008**	SeqNo **2003761**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0 115	0 007	0 1000	0 01615	98 5	75	125	0 1161	1 27	15	

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ANALYTICAL QC SUMMARY REI 'T

TestCode: M_AQ_GF_ST

Sample ID	**MB-46153**	SampType	**MBLK**			Units	**mg/L**	Prep Date	**7/11/2008**	RunNo	**110497**
Client ID	**ZZZZZZ**	Batch ID	**46153**				**SOP 3044**	Analysis Date	**7/14/2008**	SeqNo	**2000167**

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	7060A	< 0 0030	0 0030	0 003000	0	0	-100	100				

Sample ID	**LCS-46153**	SampType	**LCS**			Units	**mg/L**	Prep Date	**7/11/2008**	RunNo	**110497**
Client ID	**ZZZZZZ**	Batch ID	**46153**				**SOP 3044**	Analysis Date	**7/14/2008**	SeqNo	**2000168**

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	7060A	0 0136	0 0030	0 01500	0	90 6	80	120				

Sample ID	**08070355-001BMS**	SampType	**MS**			Units	**mg/L**	Prep Date	**7/11/2008**	RunNo	**110497**
Client ID	**UMW 305MS**	Batch ID	**46153**				**SOP 3044**	Analysis Date.	**7/14/2008**	SeqNo	**2000170**

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	7060A	0.0166	0 0030	0 01500	0 001647	100	70	130				

Sample ID.	**08070355-001BMSD**	SampType	**MSD**			Units	**mg/L**	Prep Date	**7/11/2008**	RunNo	**110497**
Client ID	**UMW 305MSD**	Batch ID	**46153**				**SOP 3044**	Analysis Date:	**7/14/2008**	SeqNo	**2000171**

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	7060A	0 0168	0 0030	0 01500	0.001647	101 3	70	130	0 01665	1 13	20	

Sample ID	**MB-46153**	SampType	**MBLK**			Units	**mg/L**	Prep Date	**7/11/2008**	RunNo	**110530**
Client ID	**ZZZZZZ**	Batch ID.	**46153**				**SOP 3044**	Analysis Date	**7/14/2008**	SeqNo:	**2001052**

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	< 0 0020	0 0020	0 002000	0	0	-100	100				

Sample ID	**LCS-46153**	SampType:	**LCS**			Units	**mg/L**	Prep Date:	**7/11/2008**	RunNo	**110530**
Client ID	**ZZZZZZ**	Batch ID:	**46153**				**SOP 3044**	Analysis Date	**7/14/2008**	SeqNo	**2001054**

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

ANALYTICAL QC SUMMARY REP T

TestCode: M_AQ_GF_ST

Sample ID	LCS-46153	SampType	LCS			Units	mg/L	Prep Date.	7/11/2008	RunNo	110530
Client ID	ZZZZZZ	Batch ID	46153			SOP 3044		Analysis Date	7/14/2008	SeqNo	2001054

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0 0151	0 0020	0 01500	0	100 9	80	120				

Sample ID	08070355-001BMS	SampType	MS			Units	mg/L	Prep Date	7/11/2008	RunNo	110586
Client ID	UMW 305MS	Batch ID	46153			SOP 3044		Analysis Date	7/15/2008	SeqNo	2002954

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0 0170	0 0020	0 01500	0	113 1	70	130				

Sample ID	08070355-001BMSD	SampType	MSD			Units	mg/L	Prep Date	7/11/2008	RunNo	110586
Client ID	UMW 305MSD	Batch ID	46153			SOP 3044		Analysis Date	7/15/2008	SeqNo	2002955

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0189	0 0020	0 01500	0	125 8	70	130	0 01696	10.6	20	

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ANALYTICAL QC SUMMARY REP T

TestCode: M_AQ_ICP_ST

Sample ID	MB-46158	SampType	MBLK			Units	mg/L	Prep Date	7/11/2008	RunNo	110486
Client ID	ZZZZZZ	Batch ID	46158			SOP 3034		Analysis Date:	7/14/2008	SeqNo	1999839

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	< 0 0100	0 0100	0 01000	0	0	-100	100				

Sample ID	LCS-46158	SampType	LCS			Units	mg/L	Prep Date.	7/11/2008	RunNo	110486
Client ID	ZZZZZZ	Batch ID	46158			SOP 3034		Analysis Date	7/14/2008	SeqNo	1999840

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0 203	0 0100	0 2000	0	101 4	85	115				

Sample ID	08070355-002BMS	SampType	MS			Units	mg/L	Prep Date.	7/11/2008	RunNo	110486
Client ID	UMW 306MS	Batch ID	46158			SOP 3034		Analysis Date	7/14/2008	SeqNo	1999845

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0 191	0 0100	0 2000	0	95 7	75	125				

Sample ID	08070355-002BMSD	SampType	MSD			Units	mg/L	Prep Date	7/11/2008	RunNo	110486
Client ID	UMW 306MSD	Batch ID	46158			SOP 3034		Analysis Date	7/14/2008	SeqNo	1999846

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.194	0 0100	0 2000	0	97 0	75	125	0 1913	1 45	20	

Sample ID	MB-46158	SampType	MBLK			Units	mg/L	Prep Date	7/11/2008	RunNo	110481
Client ID	ZZZZZZ	Batch ID	46158			SOP 3034		Analysis Date	7/14/2008	SeqNo	2000840

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	< 0 0100	0 0100	0 01000	0	0	-100	100				

Sample ID	LCS-46158	SampType	LCS			Units	mg/L	Prep Date	7/11/2008	RunNo	110481
Client ID	ZZZZZZ	Batch ID	46158			SOP 3034		Analysis Date	7/14/2008	SeqNo	2000841

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

ANALYTICAL QC SUMMARY REP T

TestCode: M_AQ_ICP_ST

Sample ID	LCS-46158	SampType	LCS		Units	mg/L	Prep Date	7/11/2008	RunNo	110481
Client ID	ZZZZZZ	Batch ID	46158			SOP 3034	Analysis Date	7/14/2008	SeqNo	2000841

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0 201	0 0100	0 2000	0	100 5	85	115				

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ANALYTICAL QC SUMMARY REF 'T

TestCode: SV_8270S_W_SIMS

Sample ID **MB-46138**	SampType **MBLK**	Units **mg/L**	Prep Date **7/10/2008**	RunNo. **110475**			
Client ID **ZZZZZZ**	Batch ID **46138**	**SW3510C**	Analysis Date **7/11/2008**	SeqNo **1999590**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 00010									
Acenaphthylene	ND	0 00010									
Anthracene	ND	0 00010									
Benzo(a)anthracene	ND	0 00010									
Benzo(a)pyrene	ND	0 00010									
Benzo(b)fluoranthene	ND	0 00010									
Benzo(g,h,i)perylene	ND	0 00010									
Benzo(k)fluoranthene	ND	0.00010									
Bis(2-ethylhexyl)phthalate	ND	0 00200									
Chrysene	ND	0 00010									
Dibenzo(a,h)anthracene	ND	0 00010									
Diethyl phthalate	ND	0 00100									
Dimethyl phthalate	ND	0 00100									
Di-n-butyl phthalate	ND	0 00100									
Fluoranthene	ND	0 00010									
Fluorene	ND	0 00010									
Indeno(1,2,3-cd)pyrene	ND	0 00010									
m,p-Cresol	ND	0 00010									
Naphthalene	ND	0 00010									
o-Cresol	ND	0 00010									
Phenanthrene	ND	0 00010									
Pyrene	ND	0 00010									
Total PNAs except Naphthalene	ND	0 00013									
Surr 2-Fluorobiphenyl	0 00428		0 005000		85 6	41 9	97 9				
Surr 2-Fluorophenol	0 00532		0 01000		53 2	16 1	79 2				
Surr Nitrobenzene-d5	0 00406		0.005000		81 2	39 9	106				
Surr Phenol-d5	0 00305		0 01000		30 5	9 94	53 7				
Surr p-Terphenyl-d14	0.00443		0.005000		88 6	53	116				

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Sample ID **LCS-46138**	SampType **LCS**			Units **mg/L**		Prep Date **7/10/2008**		RunNo **110475**			
Client ID **ZZZZZZ**	Batch ID **46138**			**SW3510C**		Analysis Date **7/11/2008**		SeqNo **1999591**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 00377	0 00010	0 005000	0	75 5	50 1	103				
Acenaphthylene	0.00485	0 00010	0 005000	0	96 9	53 3	122				
Anthracene	0 00420	0 00010	0 005000	0	84 0	57 4	110				
Benzo(a)anthracene	0.00387	0 00010	0 005000	0	77 5	56	102				
Benzo(a)pyrene	0 00432	0 00010	0 005000	0	86 4	55 4	125				
Benzo(b)fluoranthene	0 00423	0 00010	0.005000	0	84.5	59 3	127				
Benzo(g,h,i)perylene	0 00409	0 00010	0 005000	0	81 9	58.4	125				
Benzo(k)fluoranthene	0 00427	0 00010	0 005000	0	85 3	61 5	125				
Bis(2-ethylhexyl)phthalate	0 00445	0 00200	0 005000	0	89 0	63 2	152				
Chrysene	0.00425	0 00010	0 005000	0	85 0	58 7	118				
Dibenzo(a,h)anthracene	0 00412	0 00010	0.005000	0	82 4	59 3	126				
Diethyl phthalate	0 00446	0 00100	0 005000	0	89 3	55 3	133				
Dimethyl phthalate	0 00449	0 00100	0 005000	0	89 8	55 7	112				
Di-n-butyl phthalate	0.00483	0 00100	0 005000	0	96 6	61.5	130				
Fluoranthene	0 00417	0 00010	0 005000	0	83 3	60 1	117				
Fluorene	0 00392	0 00010	0 005000	0	78 5	54.1	110				
Indeno(1,2,3-cd)pyrene	0 00411	0 00010	0 005000	0	82 3	58 1	123				
m,p-Cresol	0.00261	0 00010	0 005000	0	52 2	17 9	107				
Naphthalene	0 00338	0 00010	0 005000	0	67 6	36 3	97 1				
o-Cresol	0 00318	0 00010	0 005000	0	63 7	20 5	109				
Phenanthrene	0 00392	0 00010	0.005000	0	78 5	55 9	107				
Pyrene	0 00426	0 00010	0 005000	0	85.2	61 4	116				
Surr 2-Fluorobiphenyl	0.00438		0 005000		87 6	41 9	97 9				
Surr 2-Fluorophenol	0 00507		0 01000		50 7	16 1	79 2				
Surr Nitrobenzene-d5	0 00392		0 005000		78 4	39 9	106				
Surr Phenol-d5	0 00310		0 01000		31 0	9 94	53 7				
Surr p-Terphenyl-d14	0.00430		0 005000		86 0	53	116				

IL ELAP and NELAP Accredited - Accreditation #100226

ANALYTICAL QC SUMMARY REP RT

TestCode: SV_8270S_W_SIMS

Sample ID **LCSD-46138**	SampType **LCSD**	Units **mg/L**	Prep Date **7/10/2008**	RunNo **110475**
Client ID **ZZZZZZ**	Batch ID **46138**	**SW3510C**	Analysis Date **7/11/2008**	SeqNo **1999592**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 00397	0 00010	0 005000	0	79 4	50 1	103	0 003774	5 11	50	
Acenaphthylene	0 00529	0 00010	0 005000	0	105.8	53 3	122	0 004845	8 80	50	
Anthracene	0 00436	0 00010	0 005000	0	87 3	57 4	110	0 004202	3 81	50	
Benzo(a)anthracene	0 00386	0 00010	0 005000	0	77 1	56	102	0 003873	0 414	50	
Benzo(a)pyrene	0.00442	0 00010	0 005000	0	88 4	55 4	125	0 004318	2 36	50	
Benzo(b)fluoranthene	0 00432	0 00010	0 005000	0	86 4	59 3	127	0 004226	2 22	50	
Benzo(g,h,i)perylene	0 00422	0 00010	0 005000	0	84 4	58 4	125	0 004093	3 10	50	
Benzo(k)fluoranthene	0 00439	0 00010	0 005000	0	87 8	61 5	125	0 004266	2 91	50	
Bis(2-ethylhexyl)phthalate	0 00460	0 00200	0 005000	0	92 0	63 2	152	0 004450	3 36	50	
Chrysene	0.00435	0 00010	0 005000	0	87 0	58 7	118	0.004250	2.28	50	
Dibenzo(a,h)anthracene	0 00423	0 00010	0.005000	0	84 6	59 3	126	0 004122	2.63	50	
Diethyl phthalate	0 00475	0 00100	0 005000	0	95 1	55 3	133	0 004465	6 27	0	
Dimethyl phthalate	0 00442	0 00100	0 005000	0	88 5	55 7	112	0 004492	1 55	0	
Di-n-butyl phthalate	0 00508	0 00100	0 005000	0	101 5	61 5	130	0 004831	4.97	50	
Fluoranthene	0.00422	0 00010	0 005000	0	84 4	60 1	117	0 004166	1 26	50	
Fluorene	0 00427	0 00010	0 005000	0	85 5	54 1	110	0 003924	8.52	50	
Indeno(1,2,3-cd)pyrene	0 00424	0.00010	0 005000	0	84 8	58 1	123	0 004114	3 06	50	
m,p-Cresol	0 00261	0 00010	0 005000	0	52 2	17 9	107	0 002610	0	50	
Naphthalene	0 00348	0 00010	0.005000	0	69 5	36 3	97.1	0 003378	2 89	50	
o-Cresol	0 00323	0 00010	0 005000	0	64 6	20 5	109	0 003183	1 53	50	
Phenanthrene	0 00430	0 00010	0 005000	0	86 1	55 9	107	0 003924	9.24	50	
Pyrene	0 00439	0.00010	0 005000	0	87 7	61 4	116	0 004261	2.89	50	
Surr 2-Fluorobiphenyl	0.00428		0 005000		85 6	41 9	97 9		0	50	
Surr 2-Fluorophenol	0 00509		0 01000		50 9	16 1	79 2		0	50	
Surr Nitrobenzene-d5	0 00406		0.005000		81 2	39.9	106		0	50	
Surr Phenol-d5	0 00307		0 01000		30 7	9 94	53 7		0	50	
Surr p-Terphenyl-d14	0 00452		0 005000		90.4	53	116		0	50	

ANALYTICAL QC SUMMARY REI 'T

TestCode: V_BTEX_W

Sample ID **LCS-R080710-2**	SampType. **LCS**			Units **µg/L**		Prep Date **7/10/2008**		RunNo **110452**		
Client ID **ZZZZZZ**	Batch ID **46163**			**SW5030**		Analysis Date **7/11/2008**		SeqNo **1998976**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	52 3	2 0	50 00	0	104 7	82 7	117				
Toluene	48 3	5.0	50 00	0	96 6	79 6	116				
Ethylbenzene	47 9	5 0	50.00	0	95 7	83	113				
Xylenes, Total	95 7	5 0	100 0	0	95 7	80 3	120				
Surr. 1,2-Dichloroethane-d4	53 5		50 00		107 1	74 7	129				
Surr 4-Bromofluorobenzene	49 6		50 00		99 1	86	119				
Surr Dibromofluoromethane	52 3		50.00		104 6	81 7	123				
Surr Toluene-d8	47 1		50 00		94 2	84 3	114				

Sample ID **LCSD-R080710-2**	SampType **LCSD**			Units **µg/L**		Prep Date **7/10/2008**		RunNo **110452**		
Client ID **ZZZZZZ**	Batch ID **46163**			**SW5030**		Analysis Date **7/11/2008**		SeqNo **1998977**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50 8	2.0	50 00	0	101 6	82 7	117	52 33	3 01	20	
Toluene	46 5	5 0	50 00	0	93 0	79 6	116	48 28	3 78	20	
Ethylbenzene	46 1	5 0	50 00	0	92 1	83	113	47 87	3 83	20	
Xylenes, Total	93 3	5 0	100 0	0	93 3	80.3	120	95 68	2 56	0	
Surr 1,2-Dichloroethane-d4	54 0		50 00		107 9	74.7	129		0	0	
Surr 4-Bromofluorobenzene	50 0		50 00		100	86	119		0	0	
Surr Dibromofluoromethane	52 2		50.00		104 5	81 7	123		0	0	
Surr Toluene-d8	47 2		50 00		94 5	84.3	114		0	0	

Sample ID **MBLK-R080710-2**	SampType **MBLK**			Units. **µg/L**		Prep Date **7/10/2008**		RunNo **110452**		
Client ID **ZZZZZZ**	Batch ID **46163**			**SW5030**		Analysis Date **7/11/2008**		SeqNo **1998978**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Toluene	ND	5 0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									

Sample ID **MBLK-R080710-2**	SampType **MBLK**	Units **µg/L**	Prep Date **7/10/2008**	RunNo **110452**
Client ID **ZZZZZZ**	Batch ID **46163**	**SW5030**	Analysis Date **7/11/2008**	SeqNo: **1998978**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr 1,2-Dichloroethane-d4	53 6		50.00		107 2	74 7	129				
Surr 4-Bromofluorobenzene	50 3		50 00		100 7	86	119				
Surr Dibromofluoromethane	52 8		50.00		105 7	81.7	123				
Surr Toluene-d8	47.5		50 00		95 1	84 3	114				

Sample ID **08070355-003DMS**	SampType **MS**	Units **µg/L**	Prep Date **7/10/2008**	RunNo **110452**
Client ID **UMW 307MS**	Batch ID **46163**	**SW5030**	Analysis Date **7/11/2008**	SeqNo **1998986**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	43 8	2 0	55 00	0	79 6	57 8	125				
Toluene	47 6	5 0	55 00	0	86 5	75 8	123				
Ethylbenzene	48 6	5.0	55 00	0	88 3	72 8	123				
Xylenes, Total	95 8	5 0	110 0	0	87 1	73	127				
Surr 1,2-Dichloroethane-d4	54 5		50 00		109 1	74 7	129				
Surr 4-Bromofluorobenzene	51 1		50 00		102 2	86	119				
Surr Dibromofluoromethane	51 9		50 00		103 9	81 7	123				
Surr Toluene-d8	47 2		50 00		94 5	84.3	114				

Sample ID **08070355-003DMSD**	SampType **MSD**	Units **µg/L**	Prep Date **7/10/2008**	RunNo **110452**
Client ID **UMW 307MSD**	Batch ID **46163**	**SW5030**	Analysis Date **7/11/2008**	SeqNo **1998987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	44 3	2 0	55 00	0	80.5	57 8	125	43 78	1 18	20	
Toluene	47 4	5 0	55 00	0	86 3	75 8	123	47 56	0 232	20	
Ethylbenzene	49 1	5 0	55 00	0	89 2	72 8	123	48 58	1 02	20	
Xylenes, Total	96 1	5 0	110 0	0	87 3	73	127	95 85	0 240	20	
Surr 1,2-Dichloroethane-d4	54 0		50 00		108 1	74 7	129		0	0	
Surr 4-Bromofluorobenzene	50 9		50 00		101 8	86	119		0	0	
Surr Dibromofluoromethane	52 2		50 00		104 4	81 7	123		0	0	
Surr Toluene-d8	46 8		50 00		93.6	84 3	114		0	0	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

RECEIVING CHECK LIST

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign 62403053
Lab Order: 08070355
Report Date: 16-Jul-08

Carrier: Rachel Husen

Received By: MLD

Completed by: Marvin L. Darling II
On: 10-Jul-08
Marvin L. Darling

Reviewed by: Elizabeth A. Hurley
On: 11-Jul-08
Elizabeth A Hurley

Pages to follow | Chain of custody: 1 | Extra pages included: 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 9 2
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑	
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0 1°C - 6 0°C, or when samples are received on ice the same day as collected

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	

Any No responses must be detailed below or on the COC

Additional nitric acid was needed in UMW 307 upon arrival at the laboratory MLDII 7/10/08

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

08070355

COC Serial No. B 08833

Project Name: Ameren IP Champaign Project Mgr.: Derek Ingram
Project Number: 62403053 Cost Code: 024501
Sampler(s): R Huson
Laboratory Name: Teklab
Laboratory Location: Collinsville, IL

Added HNO3 to 307. mHOH 7/16/08

Laboratory Temperature upon Receipt: 9.2 ICE

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	Analyses by Method Name and Number: BTEX method 8260	PAH Method 8270	Total Cyanide method 9010	Chrome, Lead Arsenic method 6020	Comments (Field PID)	Lab ID #'s
UMW 305	7/10	1116		X				5	X	X	X	X		08070355-001
UMW 306	7/10	1211		X				5	X	X	X	X		-002
UMW 307	7/10	1257		X				5	X	X	X	X		-003

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics . . . . . Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) . . . Sodium Bisulfate/Methanol
- ☐ TPH . . . . . Hydrochloric acid and/or Sulfuric acid
- ☐ Metals . . . . . Nitric acid (HNO_3)
- ☐ Cyanide . . . . . Sodium hydroxide (NaOH)
- ☐ Other (Specify) . . . . . _____

Lab Directives:

Requested TAT ☐ Rush ☐ 5 Days ☒ STD ☐ Other _____
Fax and/or Mail Results to D. Ingram
Send Invoice to _____
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____
Special Guidelines _____
Reporting Limits _____
* Special: _____

Shipping:

Carrier / Airbill No.

Relinquished by:

Signature	Date	Time
Rachael Huson	7/10/08	1717

Received by:

Signature	Date	Time
Maureen L. Darling II	7/10/08	1717

Distribution W) Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Com by Lab

PE-179 (6/03)

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX 618-344-1005

June 04, 2008

John Linnemann
Philip Environmental
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

ACCREDITED IN ACCORDANCE WITH
NELAP Accredited #100226

RE: Ameren Champaign

WorkOrder: 08051056

Dear John Linnemann:

TEKLAB, INC received 1 sample on 5/29/2008 3:35:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A. White

Heather A. White
Project Manager
(618)344-1004 ex.20

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE. ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL. 618-344-1004
FAX· 618-344-1005

Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056
Report Date: 04-Jun-08

SAMPLE SUMMARY

Lab Sample ID	Client Sample ID	Fractions	Collection Date
08051056-001	Waste Water	5	5/29/2008 1.30 00 PM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

Client: Philip Environmental
Project: Ameren Champaign
LabOrder: 08051056
Report Date: 04-Jun-08

CASE NARRATIVE

Cooler Receipt Temp: 13.0 °C

State accreditations:

KS NELAP #E-10347 | KY UST #0073 | MO DNR #00930 | AR ADEQ #70-028-0

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	**MI** - Matrix interference
Q - QC criteria failed or noncompliant CCV	# - Unknown hydrocarbon	**DNI** - Did not ignite
NELAP - IL ELAP and NELAP Accredited Field of Testing	**IDPH** - IL Dept of Public Health	

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX. 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08051056
Lab ID: 08051056-001
Report Date: 04-Jun-08

Client Project: Ameren Champaign
Client Sample ID: Waste Water
Collection Date: 5/29/2008 1:30:00 PM
Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA 600 410.4								
Chemical Oxygen Demand	NELAP	50		**617**	mg/L	1	6/2/2008	BSJ
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		**12.3**		1	5/30/2008 12 28 00 PM	LMK
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0 0250		**0.0686**	mg/L	1	5/30/2008 5 38 23 PM	LAL
Barium	NELAP	0 0050		**0.248**	mg/L	1	5/30/2008 5:38.23 PM	LAL
Cadmium	NELAP	0 0020		**< 0.0020**	mg/L	1	5/30/2008 5:38.23 PM	LAL
Chromium	NELAP	0 0100		**0.112**	mg/L	1	5/30/2008 5 38 23 PM	LAL
Lead	NELAP	0 0400		**0.0885**	mg/L	1	5/30/2008 5 38 23 PM	LAL
Selenium	NELAP	0 0500		**< 0.0500**	mg/L	1	5/30/2008 5 38 23 PM	LAL
Silver	NELAP	0 0100		**< 0.0100**	mg/L	1	5/30/2008 5 38 23 PM	LAL
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0 00010		**0.00124**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Acenaphthylene	NELAP	0 00010		**0.00096**	mg/L	1	5/30/2008 10.32 00 PM	TDN
Anthracene	NELAP	0 00010		**0.00032**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Benzo(a)anthracene	NELAP	0.00010		**0.00017**	mg/L	1	5/30/2008 10.32 00 PM	TDN
Benzo(a)pyrene	NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10.32 00 PM	TDN
Benzo(b)fluoranthene	NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10.32.00 PM	TDN
Benzo(g,h,i)perylene	NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10.32 00 PM	TDN
Benzo(k)fluoranthene	NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Bis(2-ethylhexyl)phthalate	NELAP	0 00200		**0.00395**	mg/L	1	5/30/2008 10 32.00 PM	TDN
Chrysene	NELAP	0 00010		**0.00012**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Dibenzo(a,h)anthracene	NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 32 00 PM	TDN
Diethyl phthalate	NELAP	0 00100		**ND**	mg/L	1	5/30/2008 10 32.00 PM	TDN
Dimethyl phthalate	NELAP	0 00100		**ND**	mg/L	1	5/30/2008 10 32.00 PM	TDN
Di-n-butyl phthalate	NELAP	0 00100		**ND**	mg/L	1	5/30/2008 10.32:00 PM	TDN
Fluoranthene	NELAP	0 00010		**0.00044**	mg/L	1	5/30/2008 10 32.00 PM	TDN
Fluorene	NELAP	0 00010		**0.00083**	mg/L	1	5/30/2008 10.32.00 PM	TDN
Indeno(1,2,3-cd)pyrene	NELAP	0 00010		**ND**	mg/L	1	5/30/2008 10 32:00 PM	TDN
m,p-Cresol	NELAP	0.00010		**0.00090**	mg/L	1	5/30/2008 10.32:00 PM	TDN
Naphthalene	NELAP	0 00010		**0.0110**	mg/L	1	5/30/2008 10:32:00 PM	TDN
o-Cresol	NELAP	0 00010		**0.00021**	mg/L	1	5/30/2008 10 32:00 PM	TDN
Phenanthrene	NELAP	0 00010		**0.00202**	mg/L	1	5/30/2008 10:32:00 PM	TDN
Pyrene	NELAP	0 00010		**0.00055**	mg/L	1	5/30/2008 10.32.00 PM	TDN
Total PNAs except Naphthalene		0 00013		**0.00665**	mg/L	1	5/30/2008 10 32.00 PM	TDN
Surr 2-Fluorobiphenyl		41 1-108		**66.6**	%REC	1	5/30/2008 10 32.00 PM	TDN
Surr 2-Fluorophenol		16 8-65 9		**34.0**	%REC	1	5/30/2008 10 32 00 PM	TDN
Surr Nitrobenzene-d5		37.6-105		**65.0**	%REC	1	5/30/2008 10 32 00 PM	TDN

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Philip Environmental
WorkOrder: 08051056
Lab ID: 08051056-001
Report Date: 04-Jun-08

Client Project: Ameren Champaign
Client Sample ID: Waste Water
Collection Date: 5/29/2008 1:30:00 PM
Matrix: WASTE WATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Surr Phenol-d5		11-42 8		**21.8**	%REC	1	5/30/2008 10 32:00 PM	TDN
Surr p-Terphenyl-d14		49-113		**50.2**	%REC	1	5/30/2008 10.32.00 PM	TDN
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	2 0		**5.2**	µg/L	1	6/2/2008 3 55:00 PM	CCF
Ethylbenzene	NELAP	5 0	J	**2.1**	µg/L	1	6/2/2008 3 55 00 PM	CCF
Toluene	NELAP	5 0	J	**1.4**	µg/L	1	6/2/2008 3 55:00 PM	CCF
Xylenes, Total	NELAP	5 0	J	**2.8**	µg/L	1	6/2/2008 3:55 00 PM	CCF
Surr 1,2-Dichloroethane-d4		74 7-129		**103.2**	%REC	1	6/2/2008 3 55:00 PM	CCF
Surr 4-Bromofluorobenzene		86-119		**100.4**	%REC	1	6/2/2008 3 55 00 PM	CCF
Surr Dibromofluoromethane		81 7-123		**102.3**	%REC	1	6/2/2008 3 55:00 PM	CCF
Surr Toluene-d8		84 3-114		**98.1**	%REC	1	6/2/2008 3 55:00 PM	CCF
SW-846 7470A (TOTAL)								
Mercury	NELAP	0 00020	J	**0.00010**	mg/L	1	6/3/2008	MEK

Sample Narrative

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX 618-344-1005

Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056
Report Date: 04-Jun-08

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Date	Analysis Date
08051056-001A	Waste Water	5/29/2008	Waste Water	SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS	5/29/2008	5/30/2008
08051056-001B				Standard Method 18th Ed 4500-H B, Laboratory Analyzed		5/30/2008
08051056-001C				SW-846 3005A, 6010B, Metals by ICP (Total)	5/29/2008	5/30/2008
				SW-846 7470A (Total)	6/2/2008	6/3/2008
08051056-001D				EPA 600 410 4		6/2/2008
08051056-001E				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	5/31/2008	5/31/2008
				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	6/2/2008	6/2/2008

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot (NELAC)

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system (NELAC) The acceptable recovery range is listed in this report

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in this report.

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in this report

MDL Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte

MB/LCB Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses (NELAC)

PQL Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions The acceptable recovery range is listed in this report

RL The reporting limit the lowest level that the data is displayed in the final report The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL

RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD) The acceptable recovery limit is listed in this report

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample, used to determine recovery deficiency or for other quality control purposes (NELAC)

Surr Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL	**MI** - Matrix interference
RL - Reporting Limit	**J** - Analyte detected below reporting limits	**D** - Diluted out of sample	**DNI** - Did not ignite
ND - Not Detected at the Reporting Limit	**R** - RPD outside accepted recovery limits	**IDPH** - IL Dept of Public Health	**E** - Value above quantitation range
Surr - Surrogate Standard added by lab	**S** - Spike Recovery outside accepted recovery limits	**Q** - QC criteria failed	**H** - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	**X** - Value exceeds Maximum Contaminant Level	**#** - Unknown hydrocarbon	**NELAP** - IL ELAP and NELAP Accredited

Sample ID **MB-R108844**	SampType **MBLK**			Units **mg/L**		Prep Date		RunNo **108844**		
Client ID **ZZZZZZ**	Batch ID **R108844**					Analysis Date **6/2/2008**		SeqNo **1965187**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	< 0	0									

Sample ID **LCS-R108844**	SampType **LCS**			Units **mg/L**		Prep Date		RunNo **108844**		
Client ID **ZZZZZZ**	Batch ID **R108844**					Analysis Date **6/2/2008**		SeqNo **1965188**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	209	50	200 0	0	104 6	76	115				

Sample ID **08051056-001DMS**	SampType **MS**			Units **mg/L**		Prep Date		RunNo **108844**		
Client ID **Waste WaterMS**	Batch ID **R108844**					Analysis Date **6/2/2008**		SeqNo **1965202**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	1610	100	1000	617.0	99 6	85	115				

Sample ID **08051056-001DMSD**	SampType **MSD**			Units **mg/L**		Prep Date		RunNo **108844**		
Client ID **Waste WaterMSD**	Batch ID **R108844**					Analysis Date **6/2/2008**		SeqNo **1965203**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	1600	100	1000	617 0	98 7	85	115	1613	0 572	10	

Client lip Environmental
Project: Ameren Champaign
Lab Order: 08051056 **Report Date:** *04-Jun-08*

ANALYTICAL QC SUMMARY REPC

TestCode: I_PH_M_AT_NF

Sample ID.	LCS-R108819	SampType.	LCS			Units		Prep Date		RunNo	108819	
Client ID	ZZZZZZ	Batch ID	R108819					Analysis Date	5/30/2008	SeqNo	1964861	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH		7 01	1 00	7 000	0	100 1	99 1	100 9				

Sample ID	08051056-001BDUP	SampType	DUP			Units		Prep Date		RunNo	108819	
Client ID	Waste WaterDUP	Batch ID	R108819					Analysis Date	5/30/2008	SeqNo	1964864	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lab pH		12 3	1 00						12 29	0 325	10	

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Sample ID **MB-45208**	SampType **MBLK**	Units **mg/L**	Prep Date **5/29/2008**	RunNo **108738**
Client ID **ZZZZZZ**	Batch ID **45208**	**SOP 3034**	Analysis Date **5/30/2008**	SeqNo: **1964137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0 0250	0 0250	0 02500	0	0	-100	100				
Barium	< 0 0050	0 0050	0 005000	0	0	-100	100				
Cadmium	< 0 0020	*0 0020*	*0 002000*	0	0	-100	100				
Chromium	< 0 0100	0.0100	0 01000	0	0	-100	100				
Lead	< 0 0400	0 0400	0 04000	0	0	-100	100				
Selenium	< 0.0500	0 0500	0 05000	0	0	-100	100				
Silver	0 0035	0 0100	0.01000	0	35 0	-100	100				J

Sample ID **LCS-45208**	SampType **LCS**	Units **mg/L**	Prep Date **5/29/2008**	RunNo **108738**
Client ID **ZZZZZZ**	Batch ID **45208**	**SOP 3034**	Analysis Date **5/30/2008**	SeqNo **1964140**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2 06	0 0250	2 000	0	103 0	85	115				
Barium	2 04	0 0050	2 000	0	102 2	85	115				
Cadmium	0.0512	0 0020	0 05000	0	102 4	85	115				
Chromium	0 199	0 0100	0 2000	0	99 5	85	115				
Lead	0 510	0 0400	0 5000	0	102 0	85	115				
Selenium	1 98	0.0500	2 000	0	99 1	85	115				
Silver	0 0496	0 0100	0 05000	0	99 2	85	115				

Sample ID **08051056-001CMS**	SampType: **MS**	Units **mg/L**	Prep Date **5/29/2008**	RunNo **108738**
Client ID **Waste WaterMS**	Batch ID **45208**	**SOP 3034**	Analysis Date **5/30/2008**	SeqNo **1964147**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2 08	0 0250	2 000	0 06860	100 5	75	125				
Barium	2 06	0 0050	2.000	0 2483	90 5	75	125				
Cadmium	0 0452	0 0020	0.05000	0	90 4	75	125				
Chromium	0 303	0 0100	0.2000	0.1124	95 5	75	125				
Lead	0 537	0 0400	0 5000	0 08850	89 7	75	125				
Selenium	2 00	0 0500	2 000	0	100	75	125				

Sample ID	**08051056-001CMS**	SampType	**MS**			Units	**mg/L**	Prep Date	**5/29/2008**	RunNo	**108738**	
Client ID	**Waste WaterMS**	Batch ID	**45208**			**SOP 3034**		Analysis Date	**5/30/2008**	SeqNo	**1964147**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver		0 0455	0 0100	0.05000	0	91 0	75	125				

Sample ID	**08051056-001CMSD**	SampType	**MSD**			Units	**mg/L**	Prep Date	**5/29/2008**	RunNo	**108738**	
Client ID	**Waste WaterMSD**	Batch ID	**45208**			**SOP 3034**		Analysis Date	**5/30/2008**	SeqNo	**1964148**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		2 04	0 0250	2 000	0 06860	98 8	75	125	2 079	1 65	20	
Barium		2 05	0 0050	2 000	0 2483	90 1	75	125	2 058	0 389	20	
Cadmium		0 0444	0 0020	0 05000	0	88 8	75	125	0 04520	1 79	20	
Chromium		0 303	0 0100	0 2000	0 1124	95 2	75	125	0 3034	0 198	20	
Lead		0 532	0 0400	0 5000	0.08850	88 8	75	125	0 5372	0 916	20	
Selenium		1 96	0 0500	2 000	0	98 0	75	125	2 000	2 07	20	
Silver		0 0465	0 0100	0 05000	0	93 0	75	125	0 04550	2 17	20	

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ANALYTICAL QC SUMMARY REPC

TestCode: M_HG_AQ_S

Sample ID	MB-45255	SampType	MBLK			Units	mg/L	Prep Date	6/2/2008		RunNo	108882	
Client ID	ZZZZZZ	Batch ID	45255			SOP 3062		Analysis Date.	6/3/2008		SeqNo	1966065	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		< 0 00020	0 00020	0 0002000	0	0	-100	100					

Sample ID	LCS-45255	SampType	LCS			Units	mg/L	Prep Date:	6/2/2008		RunNo	108882	
Client ID	ZZZZZZ	Batch ID	45255			SOP 3062		Analysis Date	6/3/2008		SeqNo	1966066	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		0 00513	0 00020	0 005000	0	102 6	85	115					

Sample ID	08051056-001CMS	SampType	MS			Units	mg/L	Prep Date	6/2/2008		RunNo	108882	
Client ID	Waste WaterMS	Batch ID	45255			SOP 3062		Analysis Date	6/3/2008		SeqNo	1966074	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		0 00478	0 00020	0 005000	0 0001000	93 6	75	125					

Sample ID	08051056-001CMSD	SampType	MSD			Units	mg/L	Prep Date	6/2/2008		RunNo	108882	
Client ID	Waste WaterMSD	Batch ID	45255			SOP 3062		Analysis Date	6/3/2008		SeqNo	1966075	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		0 00521	0 00020	0 005000	0 0001000	102 2	75	125	0 004780	8 61	15		

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Sample ID **MB-45188**	SampType **MBLK**			Units **mg/L**		Prep Date **5/29/2008**		RunNo **108701**			
Client ID **ZZZZZZ**	Batch ID **45188**			**SW3510C**		Analysis Date **5/29/2008**		SeqNo **1962685**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0 00010									
Acenaphthylene	ND	0 00010									
Anthracene	ND	0 00010									
Benzo(a)anthracene	ND	0 00010									
Benzo(a)pyrene	ND	0 00010									
Benzo(b)fluoranthene	ND	0 00010									
Benzo(g,h,ı)perylene	ND	0 00010									
Benzo(k)fluoranthene	ND	0 00010									
Chrysene	ND	0 00010									
Dibenzo(a,h)anthracene	ND	0 00010									
Fluoranthene	ND	0 00010									
Fluorene	ND	0 00010									
Indeno(1,2,3-cd)pyrene	ND	0 00010									
Naphthalene	ND	0 00010									
Phenanthrene	ND	0 00010									
Pyrene	ND	0 00010									
Total PNAs except Naphthalene	ND	0 00013									
Surr 2-Fluorobiphenyl	0 00347		0 005000		69 4	45 7	108				
Surr Nitrobenzene-d5	0.00340		0 005000		68 0	39 4	112				
Surr p-Terphenyl-d14	0 00370		0 005000		74 0	58.6	130				

Sample ID **LCS-45188**	SampType **LCS**			Units **mg/L**		Prep Date **5/29/2008**		RunNo. **108701**			
Client ID **ZZZZZZ**	Batch ID **45188**			**SW3510C**		Analysis Date **5/29/2008**		SeqNo. **1962686**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0 00342	0.00010	0 005000	0	68 4	50 1	103				
Acenaphthylene	0 00451	0 00010	0 005000	0	90 2	53 3	122				
Anthracene	0 00369	0 00010	0 005000	0	73 9	57 4	110				
Benzo(a)anthracene	0.00361	0 00010	0 005000	0	72 2	56	102				
Benzo(a)pyrene	0 00398	0.00010	0 005000	0	79 6	55 4	125				
Benzo(b)fluoranthene	0 00391	0 00010	0.005000	0	78 1	59 3	127				

Sample ID	**LCS-45188**	SampType	**LCS**			Units	**mg/L**	Prep Date	**5/29/2008**		RunNo	**108701**	
Client ID	**ZZZZZZ**	Batch ID	**45188**				**SW3510C**	Analysis Date	**5/29/2008**		SeqNo	**1962686**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzo(g,h,i)perylene		0 00416	0.00010	0 005000	0	83 1	58 4	125					
Benzo(k)fluoranthene		0.00395	0 00010	0 005000	0	78 9	61 5	125					
Chrysene		0 00389	0 00010	0 005000	0	77 8	58 7	118					
Dibenzo(a,h)anthracene		0 00413	0 00010	0 005000	0	82 7	59 3	126					
Fluoranthene		0 00355	0 00010	0 005000	0	71 0	60 1	117					
Fluorene		0 00369	0 00010	0 005000	0	73 8	54 1	110					
Indeno(1,2,3-cd)pyrene		0 00408	0 00010	0 005000	0	81 6	58 1	123					
Naphthalene		0.00282	0.00010	0 005000	0	56 3	36 3	97 1					
Phenanthrene		0 00372	0 00010	0 005000	0	74 3	55 9	107					
Pyrene		0 00372	0 00010	0 005000	0	74 4	61 4	116					
Surr	2-Fluorobiphenyl	0 00336		0 005000		67 2	41 9	97 9					
Surr	Nitrobenzene-d5	0 00344		0 005000		68 8	39 9	106					
Surr	p-Terphenyl-d14	0 00373		0 005000		74 6	53	116					

Sample ID	**LCSD-45188**	SampType	**LCSD**			Units	**mg/L**	Prep Date	**5/29/2008**		RunNo	**108701**	
Client ID	**ZZZZZZ**	Batch ID	**45188**				**SW3510C**	Analysis Date	**5/29/2008**		SeqNo	**1962687**	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Acenaphthene		0 00331	0 00010	0 005000	0	66 2	50 1	103	0 003420	3 30	50		
Acenaphthylene		0 00441	0 00010	0 005000	0	88 3	53.3	122	0 004509	2 13	50		
Anthracene		0 00358	0 00010	0 005000	0	71 7	57.4	110	0 003693	3 00	50		
Benzo(a)anthracene		0 00342	0 00010	0 005000	0	68 3	56	102	0 003610	5 49	50		
Benzo(a)pyrene		0 00378	0 00010	0 005000	0	75 6	55 4	125	0 003981	5 15	50		
Benzo(b)fluoranthene		0 00369	0 00010	0 005000	0	73 8	59 3	127	0 003906	5 71	50		
Benzo(g,h,i)perylene		0.00396	0 00010	0 005000	0	79 3	58 4	125	0 004157	4 75	50		
Benzo(k)fluoranthene		0 00372	0 00010	0.005000	0	74.5	61 5	125	0.003947	5 81	50		
Chrysene		0 00372	0.00010	0.005000	0	74 4	58.7	118	0 003888	4 42	50		
Dibenzo(a,h)anthracene		0 00389	0 00010	0 005000	0	77.9	59 3	126	0.004133	5.98	50		
Fluoranthene		0 00345	0 00010	0 005000	0	68 9	60 1	117	0.003549	2 97	50		
Fluorene		0 00358	0 00010	0 005000	0	71 7	54 1	110	0 003689	2 89	50		
Indeno(1,2,3-cd)pyrene		0 00386	0.00010	0.005000	0	77.2	58 1	123	0 004080	5 52	50		

Sample ID **LCSD-45188**	SampType **LCSD**			Units **mg/L**		Prep Date **5/29/2008**		RunNo **108701**			
Client ID **ZZZZZZ**	Batch ID **45188**			**SW3510C**		Analysis Date **5/29/2008**		SeqNo. **1962687**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0 00290	0 00010	0 005000	0	57 9	36 3	97 1	0 002816	2 80	50	
Phenanthrene	0 00361	0 00010	0 005000	0	72 2	55 9	107	0 003716	2 89	50	
Pyrene	0 00348	0 00010	0 005000	0	69 7	61 4	116	0 003718	6 47	50	
Surr 2-Fluorobiphenyl	0 00311		0 005000		62 2	41 9	97 9		0	50	
Surr Nitrobenzene-d5	0 00365		0.005000		73 0	39 9	106		0	50	
Surr p-Terphenyl-d14	0 00341		0 005000		68 2	53	116		0	50	

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ANALYTICAL QC SUMMARY REP[illegible]T

TestCode: V_BTEX_W

Sample ID: **LCS-T080530-2**	SampType **LCS**	Units **µg/L**	Prep Date **5/31/2008**	RunNo: **108826**
Client ID **ZZZZZZ**	Batch ID **45261**	**SW5030**	Analysis Date **5/31/2008**	SeqNo: **1964915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	57 6	2 0	50 00	0	115 2	82.7	117				
Toluene	51 4	5 0	50 00	0	102 9	79 6	116				
Ethylbenzene	55 7	5 0	50 00	0	111 4	83	113				
Xylenes, Total	110	5.0	100 0	0	110 2	80 3	120				
Surr 1,2-Dichloroethane-d4	40 9		50 00		81.9	74 7	129				
Surr 4-Bromofluorobenzene	48 0		50 00		96 0	86	119				
Surr Dibromofluoromethane	46 6		50 00		93 1	81 7	123				
Surr Toluene-d8	46 1		50 00		92 2	84 3	114				

Sample ID **LCSD-T080530-2**	SampType **LCSD**	Units: **µg/L**	Prep Date. **5/31/2008**	RunNo: **108826**
Client ID **ZZZZZZ**	Batch ID **45261**	**SW5030**	Analysis Date **5/31/2008**	SeqNo **1964916**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	55 0	2 0	50 00	0	110 0	82 7	117	57 58	4 58	20	
Toluene	49 3	5 0	50 00	0	98 7	79 6	116	51 45	4 19	20	
Ethylbenzene	52 6	5 0	50 00	0	105 2	83	113	55 68	5 65	20	
Xylenes, Total	105	5 0	100 0	0	105.4	80 3	120	110 2	4 43	0	
Surr 1,2-Dichloroethane-d4	40 2		50 00		80 3	74.7	129		0	0	
Surr 4-Bromofluorobenzene	46 1		50 00		92.2	86	119		0	0	
Surr Dibromofluoromethane	46 2		50 00		92 5	81.7	123		0	0	
Surr Toluene-d8	45 6		50 00		91 3	84 3	114		0	0	

Sample ID **MBLK-T080530-2**	SampType: **MBLK**	Units **µg/L**	Prep Date **5/31/2008**	RunNo: **108826**
Client ID **ZZZZZZ**	Batch ID **45261**	**SW5030**	Analysis Date **5/31/2008**	SeqNo **1964917**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2 0									
Toluene	ND	5.0									
Ethylbenzene	ND	5 0									
Xylenes, Total	ND	5 0									

Sample ID: **MBLK-T080530-2**	SampType **MBLK**			Units **µg/L**		Prep Date **5/31/2008**		RunNo **108826**			
Client ID **ZZZZZZ**	Batch ID **45261**			**SW5030**		Analysis Date **5/31/2008**		SeqNo **1964917**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr 1,2-Dichloroethane-d4	38 8		50 00		77 6	74 7	129				
Surr 4-Bromofluorobenzene	46 7		50 00		93 3	86	119				
Surr Dibromofluoromethane	45 2		50 00		90 4	81 7	123				
Surr Toluene-d8	46 8		50 00		93 6	84 3	114				

Sample ID. **LCS-N080602-1**	SampType **LCS**			Units **µg/L**		Prep Date **6/2/2008**		RunNo **108841**			
Client ID **ZZZZZZ**	Batch ID **45266**			**SW5030**		Analysis Date **6/2/2008**		SeqNo **1965149**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47 8	2 0	50 00	0	95 7	82 7	117				
Toluene	46 8	5 0	50 00	0	93 6	79 6	116				
Ethylbenzene	47 8	5 0	50 00	0	95 6	83	113				
Xylenes, Total	94 6	5 0	100 0	0	94.6	80 3	120				
Surr 1,2-Dichloroethane-d4	50 0		50 00		99.9	74 7	129				
Surr 4-Bromofluorobenzene	50 6		50.00		101 2	86	119				
Surr Dibromofluoromethane	50 2		50 00		100 3	81 7	123				
Surr Toluene-d8	50 1		50 00		100 1	84 3	114				

Sample ID **LCSD-N080602-1**	SampType **LCSD**			Units **µg/L**		Prep Date **6/2/2008**		RunNo **108841**			
Client ID **ZZZZZZ**	Batch ID **45266**			**SW5030**		Analysis Date **6/2/2008**		SeqNo **1965150**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45 5	2 0	50 00	0	91 0	82 7	117	47 84	5 04	20	
Toluene	45 6	5 0	50 00	0	91 2	79 6	116	46 79	2 58	20	
Ethylbenzene	45 7	5 0	50.00	0	91 5	83	113	47 80	4 43	20	
Xylenes, Total	90 6	5 0	100 0	0	90 6	80.3	120	94 56	4 24	0	
Surr 1,2-Dichloroethane-d4	48 1		50 00		96 1	74.7	129		0	0	
Surr 4-Bromofluorobenzene	51 0		50 00		101.9	86	119		0	0	
Surr Dibromofluoromethane	50 5		50 00		101 0	81 7	123		0	0	
Surr Toluene-d8	50 1		50 00		100 3	84 3	114		0	0	

Sample ID: **MBLK-N080602-1**	SampType **MBLK**	Units **µg/L**	Prep Date **6/2/2008**	RunNo **108841**
Client ID **ZZZZZZ**	Batch ID **45266**	**SW5030**	Analysis Date **6/2/2008**	SeqNo **1965151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2 0									
Toluene	ND	5 0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5 0									
Surr 1,2-Dichloroethane-d4	51 7		50 00		103 4	74 7	129				
Surr 4-Bromofluorobenzene	52 7		50 00		105 3	86	119				
Surr Dibromofluoromethane	51 2		50.00		102 3	81 7	123				
Surr Toluene-d8	49 9		50.00		99 9	84 3	114				

Sample ID **08051056-001EMS**	SampType **MS**	Units **µg/L**	Prep Date **6/2/2008**	RunNo **108841**
Client ID **Waste WaterMS**	Batch ID **45266**	**SW5030**	Analysis Date **6/2/2008**	SeqNo **1966353**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	40 9	2 0	44 00	5 160	81 3	57 8	125				
Toluene	38 1	5 0	44 00	1 450	83 3	75 8	123				
Ethylbenzene	38 7	5 0	44 00	2.080	83 3	72 8	123				
Xylenes, Total	71 4	5 0	88 00	2 780	78 0	73	127				
Surr 1,2-Dichloroethane-d4	51 6		50.00		103 2	74 7	129				
Surr 4-Bromofluorobenzene	50 7		50 00		101 5	86	119				
Surr: Dibromofluoromethane	51 4		50 00		102 9	81 7	123				
Surr Toluene-d8	49 5		50.00		98 9	84 3	114				

Sample ID· **08051056-001EMSD**	SampType **MSD**	Units **µg/L**	Prep Date· **6/2/2008**	RunNo· **108841**
Client ID **Waste WaterMSD**	Batch ID· **45266**	**SW5030**	Analysis Date **6/2/2008**	SeqNo· **1966354**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	39 5	2 0	44 00	5 160	78 1	57 8	125	40 92	3 46	20	
Toluene	39 5	5 0	44 00	1.450	86 4	75 8	123	38.09	3 53	20	
Ethylbenzene	40 1	5.0	44 00	2 080	86 3	72 8	123	38 72	3 40	20	
Xylenes, Total	77 7	5.0	88 00	2 780	85 1	73	127	71 44	8 37	20	

Client: ip Environmental
Project: Ameren Champaign
Lab Order: 08051056 **Report Date:** *04-Jun-08*

ANALYTICAL QC SUMMARY REPC

TestCode: V_BTEX_W

Sample ID	**08051056-001EMSD**	SampType	**MSD**	Units	**µg/L**	Prep Date	**6/2/2008**	RunNo	**108841**
Client ID	**Waste WaterMSD**	Batch ID	**45266**		**SW5030**	Analysis Date	**6/2/2008**	SeqNo	**1966354**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr 1,2-Dichloroethane-d4	50 4		50 00		100 8	74 7	129		0	0	
Surr 4-Bromofluorobenzene	50 3		50 00		100 6	86	119		0	0	
Surr Dibromofluoromethane	50 3		50 00		100 5	81 7	123		0	0	
Surr. Toluene-d8	50 4		50 00		100 9	84 3	114		0	0	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL 618-344-1004
FAX. 618-344-1005

RECEIVING CHECK LIST

Client: Philip Environmental
Project: Ameren Champaign
Lab Order: 08051056
Report Date: 04-Jun-08

Carrier: John Linnemann

Received By: BMP

Completed by: Erin Clarke
On: 29-May-08

Reviewed by: Marvin L Darling
On: 30-May-08

Pages to follow | Chain of custody: 1 | Extra pages included: 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 13 0
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑	
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured	Field ☐	Lab ☑	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0 1°C - 6 0°C, or when samples are received on ice the same day as collected

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	

Any No responses must be detailed below or on the COC

Additional nitric acid was needed upon arrival at the laboratory EDC 5/29/08

Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230
(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

08051056

COC Serial No. B 09001

Project Name: AMEREN CHAMPAIGN Project Mgr.: J LINNEMANN

Project Number: Cost Code:

Sampler(s): JOHN LINNEMANN

Laboratory Name: TEKLAB

Location: Collinsville

Laboratory Temperature upon Receipt: 13.0 BMP

Lab EPC Added HNO_3 @ head

Sample Number and (depth)	Date	Time	Matrix: Soil	Water	Air	Wipes	Other *	Total Number of Containers	BTEX	PAH SIMS	RCRA METALS (8)	COD	PH						Comments (Field PID)	Lab ID #'s
WASTE WATER	5/29/08	13:30		X				6	X	X	X	X	X							08051056-001

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☑ Volatile Organics . . . . Hydrochloric acid (HCl)
- ☐ VOC Soil (5035) . . . Sodium Bisulfate/Methanol
- ☐ TPH . . . . . Hydrochloric acid and/or Sulfuric acid
- ☑ Metals . . . . . Nitric acid (HNO_3)
- ☐ Cyanide . . . . Sodium hydroxide (NaOH)
- ☐ Other (Specify) . . . . . _____

Lab Directives:

Requested TAT ☐ Rush ☐ 5 Days ☒ STD ☐ Other _____

Fax and/or Mail Results to JLINNEMANN@PSCNOW.COM

Send Invoice to: SAME

QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other _____

Special Guidelines: _____

Reporting Limits: _____

* Special: _____

Shipping:

Carrier / Airbill No

Relinquished by:

Signature	Date	Time
John Linnemann	5/29/08	15:35

Received by:

Signature	Date	Time
Brianne Piggott	5/29/08	15:35

Distribution E to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

Shaded Areas to be Co[illegible]ed by Lab

PE-179 (6/03)

APPENDIX F

Soil Boring Logs

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-800

Project Name: IP - Champaign Former MGP	Elevation: 736.51'	Datum:
Project Number: 62403053	Coordinate X: 1012603.00	Coordinate Y: 1257642.64
Location: Off-Site (North Edge)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/14/08	Date Completed: 04/14/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L.Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	40				FI	Silty CLAY with coal and cinders; dark brown; no visible impact; soft; no odor; damp; (FI)	1.3	2.0-3.0'
730	5	2 5-10	60				CL	Silty CLAY; brownish gray; no visible impact; stiff; very slight hydrocarbon-like odor; damp; (CL)	0.5	
725	10	3 10-14	80					CLAY; light brownish green; no visible impact; soft; very slight hydrocarbon odor; moist; (CL)	1.3 1.4 1.5	9.0-10.0'
720	15	4 14-18	100				TL	Silty CLAY; greenish gray; no visible impact; soft; very slight diesel-like odor; moist; (CL) - no odor Silty CLAY with trace gravel; gray; no visible impact; hard; no odor; damp; (TILL)	0.4 1.5 1.4 1.3 1.1	11.5-12.5'
715	20	5 18-22	100					Silty CLAY with some gravel and fine grained sand; no visible impact; stiff; no odor; moist; (TILL)	1.4 1.2 1.4 0.7	
710	25	6 22-26	100					- 0.5" sand seam, wet	1.2 1.5 0.7 1.4 1.2	
705	30	7 26-30	100				TL	SILT with some clay; gray; no visible impact; hard; no odor; damp; (TILL/ML)	0.8 1.2 1.4	
700	35						TL	Sand and Gravel; medium grained with trace silt; gray; no visible impact; no odor; moist; (GM)	1.2 1.3	
695	40							Termination of Boring at 30.0' on 4/14/08		
690	45									
685	50									
680	55									

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-801

Project Name: IP - Champaign Former MGP	Elevation: 736.28'	Datum:
Project Number: 62403053	Coordinate X: 1012703.07	Coordinate Y: 1257635.76
Location: Off-Site (North Edge)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/08/08	Date Completed: 04/08/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: R.Huson	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	93				FI	Silty CLAY with organics and roots; no visible impact; medium stiff; no odor; moist; (FILL)		
							CL	CLAY; light brown; no visible impact; soft; no odor; moist; (CL)		2.0-3.0'
730	5	2 5-10	100				SC	SAND with trace clay; light brown; no visible impact; no odor; (SP) - 6.0-7.5' sand seam; wet		
							CL	Silty CLAY with trace gravel; light brown; no visible impact; no odor; moist; (CL)	1.0	
725	10	3 10-14	100				TL	Sandy CLAY; light brownish gray; no visible impact; slight hydrocarbon-like odor; moist; (TILL) - 10.0-12.0' Sand Seam; moist (not saturated); very slight hydrocarbon-like odor at 12.0'	4.3 1.0	9.0-10.0'
							TL	Silty CLAY with gravel; yellowish brown; no visible impact; stiff to medium stiff; no odor; moist; (TILL) - very stiff	0.4	
720	15	4 14-18	100				TL	Silty CLAY with gravel; gray; no visible impact; very stiff; no odor; damp; (TILL) - 15.0-16.0' stiff	0.3	
		5 18-22	100					Silty CLAY with gravel; gray; no visible impact; stiff; no odor; damp; (TILL)	0.1 0.3 0.7	
715	20	6 22-26	100					- soft to medium stiff		
710	25	7 26-30	100					- 0.5" sand seam - 0.5" sand seam - sand		25.0-26.0'
705	30							Silty CLAY with sand and gravel; gray; no visible impact; stiff to medium stiff; no odor; damp; (TILL)		
700	35							Termination of boring at 30.0' on 4/8/08		
695	40									
690	45									
685	50									
680	55									

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-802

Project Name: IP - Champaign Former MGP	Elevation: 736.03'	Datum:
Project Number: 62403053	Coordinate X: 1012755.44	Coordinate Y: 1257586.49
Location: Off-Site (North Center of Site)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/15/08	Date Completed: 04/15/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	30					Silty CLAY with gravel and glass fragments; no visible impact; stiff; no odor; moist; (FILL)	0.3	2.0-3.0'
730	5	2 5-10	100				FI	CLAY; yellowish brown; no visible impact; soft; no odor; moist; (CL)		
								- Slight coal tar-like odor	0.2	
								Silty CLAY; greenish gray; coal tar-like substance in voids (intermittent); sift; moderate to strong coal tar-like odor; moist; (CL)	0.9 6.0 12.9	8.5-10.0'
725	10	3 10-14	100				CL	Silty CLAY; greenish gray; coal tar-like substance in voids and gravel areas; medium stiff to stiff; moderate to strong coal tar-like odor; moist; (CL)	29.7 27.7 37.9	
								- 13.5-14.0' no visible coal tar-like substance; moderate odor	155.0	
720	15	4 14-18	100					Silty CLAY with sand; gray; lightly impacted; stiff; strong coal tar-like odor; moist; (CL) - 2.0-3.0' sand seam; heavily impacted	42.9 356 169	14.5-15.5'
								- no coal tar-like substance at 18.0'; moderate odor	175	
715	20	5 18-22	75				TL	Sand with trace gravel and silt; gray; no visible impact; medium dense; coal tar-like odor; damp; (SP)	57.7 30.7 25.2	
								- Slight odor	32.6	
		6 22-26	100						5.1 2.6	
710	25	7 26-30	100				TL	- 25.5 to 26.0' SILT with fine grained sand; gray; no visible impact; medium stiff; no odor; moist; (ML)	2.9 2.2	25.0-26.0'
								SILT with trace clay and some gravel; gray; medium stiff; no odor; moist; (TILL)	0.8 4.2 4.1	
705	30						TL		2.8 2.4	
								Termination of boring at 30.0' on 4/15/08		
700	35									
695	40									
690	45									
685	50									
680	55									

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-803

Project Name: IP - Champaign Former MGP	Elevation: 736.51'	Datum:
Project Number: 62403053	Coordinate X: 1012822.56	Coordinate Y: 1257598.06
Location: Off-Site (North Center of Site)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 05/07/08	Date Completed: 05/07/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: R. Huson	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	50				FI	Topsoil (FI)		
							CL	Silty CLAY with travel gravel; dark brown; no visible impact; medium stiff; no odor; dampl; (CL)		2.0-3.0'
	5	2 5-10	100					Silty CLAY; yellowish gray to yellowish brown; no visible impact; soft; no odor; damp; (CL)		
730								- Slight coal tar-like odor; medium stiff; color change to yellow gray		
	10	3 10-14	100					- Color change to gray/brownish gray with gravel; moderate odor Silty CLAY with sand and gravel; yellowish gray; no visible impact; soft; very slight odor; (CL)	1.2 1.3	9.0-10.0'
725								- color change to orangish gray; very slight odor	0.0	
	15	4 14-18	100					Silty CLAY with gravel and sand; yellowish gray; no visible impact; medium stiff; slight coal coal tar-like odor; damp; (CL)		
720							TL	- color change to gray; coal tar-like odor	1.3	
		5 18-22	100					- Strong coal tar-like odor	20.0 3.2 2.3	
	20							- Coal tar-like substance at 21.0'	3.5	
715		6 22-26	100					- silty zone ~2.0" thick, wet - moderate odor - 22.4' sand layer (~1.0" thick) moderate coal tar-like odor	28.7 5.0 0.0	21.0-22.0'
	25							- very slight coal tar-like odor		
710		7 26-30	100							
	30							- no odor		29.0-30.0'
705								Termination of boring at 30.0' on 5/7/08		
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-804

Project Name: IP - Champaign Former MGP	Elevation: 736.86'	Datum:
Project Number: 62403053	Coordinate X: 1012898.24	Coordinate Y: 1257585.19
Location: Off-Site (North Edge)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/08/08	Date Completed: 04/08/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method:	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	40				FI	Silty CLAY with trace cinders; dark brown; no visible impact; soft; no odor; damp; (FILL)	0.2	1.5-2.5'
									0.4	
	5	2 5-10	100				CL	- 3.0" FILL grading to CLAY; light brown; no visible impact; medium stiff; no odor; moist; (CL)	0.5	
730									0.6	
								CLAY with some gravel; no visible impact; stiff; no odor; wet; (CL)	0.3	
									0.5	8.5-9.5'
	10	3 10-14	100					- 10.0 to 11.5' SAND; wet	0.6	
725								Silty CLAY with gravel; yellowish gray; no visible impact; stiff; no odor; moist; (CL)	0.3	
									0.6	
									0.4	
	15	4 14-18	100				TL	Silty CLAY with gravel; gray; no visible impact; stiff; no odor; moist; (TILL)	0.5	15.0-16.0'
720									0.7	
									0.6	
		5 18-22	100					- Sandy gravel ~1.0" thick	0.5	
	20								0.6	
715										
		6 22-26	100					Silty CLAY with gravel; gray; no visible impact; stiff to very stiff; no odor; moist; (TILL)	0.7	
									0.6	
	25								0.7	
710		7 26-30	100						0.5	
									0.8	
	30								0.6	
705								Termination of boring at 30.0' on 4/8/08	0.5	
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-805

Project Name: IP - Champaign Former MGP	Elevation: 737.59'	Datum:
Project Number: 62403053	Coordinate X: 1012961.62	Coordinate Y: 1257604.16
Location: Off-Site (North Edge)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/09/08	Date Completed: 04/09/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: R. Huson	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	100					Silty CLAY with roots; dark brown; (FILL)		1.0-2.0'
							FI	CLAY with some silt; light brown; no visible impact; stiff; no odor; damp; (CL)		
	5	2 5-10	100					Sandy CLAY with some gravel; light brown to yellow; no visible impact; no odor; moist; (CL) - 1.5" sand seam		
730								SAND; light brown; no visible impact; no odor; wet-saturated from 7.0-8.0'		7.0-8.0'
	10	3 10-14	100					Sandy CLAY with some gravel; brownish yellow; no visible impact; medium stiff; no odor; moist; (CL) Sand and gravel; wet-saturated (from 10.0-12.0')	0.1	
725							CL	Silty CLAY with trace gravel; light brown; no visible impact; medium stiff; no odor; moist; (TILL)		13.0-14.0'
	15	4 14-18	100					- gray; stiff		
720		5 18-22	100					Silty CLAY with gravel; gray; no visible impact; stiff; no odor; moist; (TILL) - no gravel, silt to fine sand - 1.0" sand seam		
715	20	6 22-26	100					Silty CLAY with gravel; gray; no visible impact; medium stiff; moist; (TILL)		
	25	7 26-30	100					- gravel (1.0")		
710	30						TL	Termination of boring at 30.0' on 4/9/08		
705	35									
700	40									
695	45									
690	50									
685	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-806

Project Name: IP - Champaign Former MGP	Elevation: 737.11'	Datum:
Project Number: 62403053	Coordinate X: 1012945.21	Coordinate Y: 1257543.91
Location: Off-Site (North Edge)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/08/08	Date Completed: 04/08/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	60				FI	Silty CLAY with roots; brown; no visible impact; soft to medium stiff; no odor; moist; (FILL)		2.0-3.0'
730	5	2 5-10	100				CL	Silty CLAY; yellowish gray; no visible impact; stiff; no odor; moist; (CL)	0.1	
								SIlty CLAY with some sand and trace gravel; light brown; no visible impact; soft; no odor; wet; (CL)	0.4 0.6 0.7	8.5-9.5'
	10	3 10-14	100					- 10.0 - 11.5' SAND seam; light brown; well-saturated; grading to silty	0.6	
725							TL	CLAY with trace gravel; light brownish gray; no visible impact; stiff; no odor; damp; (TILL)	0.7	11.0-12.0'
	15	4 14-18	100						0.6	
720								- gray; very stiff (TILL)		
	20	5 18-22	100					- hard Silty CLAY with trace gravel; light gray; no visible impact; very hard; no odor; damp; (TILL)		
715		6 22-26	100						0.3 0.7 0.4 0.9	
	25								0.4	
710		7 26-30	100					- 3.0" stiff, moist, wet zone	0.9 0.5 0.1	
	30							Termination of boring at 30.0' on 4/8/08	0.0	
705										
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-807

Project Name: IP - Champaign Former MGP		Elevation: 738.22'	Datum:
Project Number: 62403053		Coordinate X: 1013033.67	Coordinate Y: 1257511.50
Location: Off-Site (East ROW)		Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/08/08	Date Completed: 04/08/08	Section/Township/Range:	
Consultant: PSC	Drilled By: PSC		
Logged By: L. Hoosier	Drilling Method: GeoProbe		

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	100				FI	Silty CLAY with roots and glass, cinders, gravel; dark brown; no visible impact; no odor; (FILL)	0.6 0.8 0.5	2.0-3.0'
	5	2 5-10	100				CL	5.3' Silty CLAY with some sand; yellowish gray, no visible impact; stiff; no odor; damp; (CL)	0.3 0.7 0.6	
730								2.0" sand seam; wet	0.4	
	10	3 10-14	100					Silty CLAY with sand and gravel; yellowish gray; no visible impact; stiff; no odor; moist; (CL)	0.5 0.7	8.5-9.5'
725								Sand with trace clay (10.0-11.0'); wet-saturated grading to silty clay with some gravel; light brown; no visible impact; medium stiff to stiff; no odor; moist; (TILL)	1.0	
	15	4 14-18	100				TL	- stiff - 0.5" sand seam Silty CLAY with some gravel; light brown; no visible impact; stiff; no odor; damp; (TILL)	0.8 0.9 0.5 0.4	13.0-14.0'
720	20	5 18-22	100					- gray; stiff	0.6 0.2 0.5 0.2	
715		6 22-26	100						0.3 0.6	
	25	7 26-30	100					Sandy CLAY with some silt and trace gravel; light gray; no visible impact; stiff to very stiff; no odor; damp; (TILL)	0.4 0.5 0.6	
710	30							Termination of boring at 30.0' on 4/8/08	0.4 0.5	
705	35									
700	40									
695	45									
690	50									
685	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-809

Project Name: IP - Champaign Former MGP		Elevation: 737.28'	Datum:
Project Number: 62403053		Coordinate X: 1013122.72	Coordinate Y: 1257417.67
Location: 502 E. Hill St. Champaign, Illinois		Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 05/08/08	Date Completed: 05/08/08	Section/Township/Range:	
Consultant: PSC	Drilled By: PSC		
Logged By: R. Huson	Drilling Method: GeoProbe		

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	38				FI	Cinders; black; no visible impact; no odor; (FILL)		2.0-3.0'
							CL	Silty CLAY; dark brown to black; no visible impact; medium stiff; no odor; moist; (CL)		
730	5	2 5-10	90					Silty CLAY; yellowish gray; no visible impact; medium stiff; no odor; moist; (CL)		
	10	3 10-14	100					- gravel and sand with some clay; wet - gravel		9.0-10.0'
725							TL	Silty CLAY with gravel and sand; yellowish gray; no visible impact; stiff to very stiff; no odor; damp; (CL)		
	15	4 14-18	100					- color change to gray; friable ~3.0" thick		15.0-16.0'
720		5 18-22	100					17.8' - silty layer, ~3.0" thick Silty CLAY with gravel and sand; gray; no visible impact; very stiff to stiff; no odor; damp; (TILL)		
	20									
715		6 22-26	100							
	25									
710		7 26-30	100					- Sand seam ~2.0" thick		
	30							Termination of boring at 30.0" on 5/8/08#		
705	35									
700	40									
695	45									
690	50									
685	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-811

Project Name: IP - Champaign Former MGP	Elevation: 736.62'	Datum:
Project Number: 62403053	Coordinate X: 1013024.38	Coordinate Y: 1257274.22
Location: Off-Site (East ROW)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 05/05/08	Date Completed: 05/05/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: R. Huson	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	100				FI	Silty CLAY with gravel and concrete; dark brown; no visible impact; medium stiff; no odor; damp; (FILL)	0.0	
							CL	Sandy CLAY; brownish gray with orange oxidation; no visible impact; medium dense; no odor; damp; (CL)		2.0-3.0'
730	5	2 5-10	78					- color change to yellowish gray; wet Silty CLAY with gravel; yellowish gray; no visible impact; soft to medium stiff; no odor; wet; (CL)		
	10	3 10-14	100					- ~2.0" sand seam, wet - ~2.0" sand seam		9.0-10.0' 11.0-12.0'
725								Silty CLAY with gravel; gray; no visible impact; stiff to very stiff; no odor; (TILL)		
720	15	4 14-18	100				TL			
	20	5 18-22	100					- gravel; wet		
715		6 22-26	100							
	25							- sandy; wet zone ~1.5" thick		
710		7 26-30	100							
	30							Termination of boring at 30.0' on 5/5/08	0.0	
705	35									
700	40									
695	45									
690	50									
685	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID: **B-812**

Project Name: IP - Champaign Former MGP		Elevation: 736.68'	Datum:
Project Number: 62403053		Coordinate X: 1013022.86	Coordinate Y: 1257226.14
Location: Off-Site (East ROW)		Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 05/05/08	Date Completed: 05/05/08	Section/Township/Range:	
Consultant: PSC	Drilled By: PSC		
Logged By: L. Hoosier	Drilling Method: GeoProbe		

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	67				FI	Silty CLAY with some gravel and roots; brown; no visible impact; stiff; no odor;dry; (FILL)	0.4	1.0-2.0'
							CL	Silty CLAY; light brown; no visible impact; stiff; no odor; damp; (CL)	0.8	
	5	2 5-10	100					CLAY; brownish-yellow; no visible impact; soft; no odor; damp; (CL)	0.2	
730								- trace gravel	1.1	
	10	3 10-14	100					- stiff	0.2	
725								Sandy CLAY; light brown; no visible impact; very soft; no odor; wet-saturated; (CL)	0.7	
	15	4 14-18	100				TL	CLAY with tracel silt and gravel; gray; no visible impact; stiff; no odor; damp; (TILL)	0.8	
720								- very stiff to hard	0.9	
	20	5 18-22	100				TL	SILT with trace clay and gravel; gray; no visible impact; very hard; no odor; slightly damp; (TILL)	0.8	9.0-10.0'
715								- some sand	3.1	
	25	6 22-26	100					SILT with sand; gray; no visible impact; soft; no odor; wet; (ML)	0.0	11.0-12.0'
710		7 26-30	100					SILT with trace clay and gravel; gray; no visible impact; hard; no odor; (TILL)		
	30							- trace sand - medium stiff		
705								Termination of boring at 30.0' on 5/5/08		
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-813

Project Name: IP - Champaign Former MGP	Elevation: 737.55'	Datum:
Project Number: 62403053	Coordinate X: 1013050.65	Coordinate Y: 1257175.25
Location: Off-Site (East ROW)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/07/08	Date Completed: 04/07/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: R. Huson	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	70				FI	Silty CLAY; dark brown; no visible impact; no odor; damp; (FILL)	1.2 1.1 0.9 1.1	2.0-3.0'
730	5	2 5-10	93				CL	Silty CLAY; yellowish brown; no visible impact; stiff; no odor; damp; (CL) - 4.0" silty sandy clay; moist - increasing sand and gravel	1.2 1.1 0.9	6.0-7.0'
725	10	3 10-14	100					Silty CLAY with gravel; yellowish brown; no visible impact; stiff; no odor; damp; (CL)	1.2 1.3	
							TL	Silty CLAY with gravel; gray; no visible impact; stiff; no odor; damp; (TILL)	1.2 1.1	11.0-12.0'
720	15	4 14-18	100					- 14.0-15.0' very gravelly; wet	1.3 1.0	
	20	5 18-22	100					Silty CLAY with gravel; gray; no visible impact; stiff; no odor; damp; (TILL)	0.9 1.3	
715		6 22-26	100						1.2 1.1 1.4 1.5	
710	25	7 26-30	100				TL	- gray sand with clay SIlty CLAY with sand and gravel; gray; no visible impact; medium stiff to stiff; no odor; damp to wet; (TILL) - more sand from 26.0-30.0'	1.4 1.5	
705	30							Termination of boring at 30.0' on 4/7/08	1.4 1.5	
700	35									
695	40									
690	45									
685	50									
680	55									

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-814

Project Name: IP - Champaign Former MGP	Elevation: 737.37'	Datum:
Project Number: 62403053	Coordinate X: 1012964.42	Coordinate Y: 1257220.87
Location: Southeast Corner of Site	Total Depth: 28.00'	Borehole Dia.: 2.00in
Date Started: 04/01/08	Date Completed: 04/01/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-4	67				FI	SILT with trace clay and some gravel; dark brown; no visible impact; no odor; damp; (TILL)	0.0	0.0-2.0'
	5	2 4-8	100				CL	Silty CLAY; some mottling; light brown; no visible impact; medium stiff; no odor; moist; (CL)		
730		3 8-12	100					- trace gravel; soft to very soft Sandy CLAY; light brown; no visible impact; very soft; no odor; wet; (CL) - changes to soft; moist		7.0-8.0'
	10							- changes to stiff; color change to light brownish gray		
725		4 12-16	100				TL	- 2.0" sand seam; light brownish gray; soft; moist Silty CLAY with some gravel and fine grained sand; gray; no visible impact; very hard; no odor; damp; (CL)		
	15	5 16-20	100					Silty CLAY with some fine grained sand; light brown; no visible impact; very soft; no odor; wet; (CL) - sand seam; light brown; wet		
720							TL	Sand CLAY with some gravel and fine grained sand; light brown grading to light gray; no visible impact; very hard; no odor; damp; (TILL)		17.0-18.0'
	20	6 20-24	100					Silty CLAY with some gravel and fine grained sand; light gray; no visible impact; very hard; no odor; damp (TILL) - very hard		
715	25	7 24-28	100							
710								Silty CLAY with some gravel and fine grained sand; light gray; no visible impact; medium stiff; no odor; moist; (TILL)	0.0	
	30							Termination of boring at 28.0' on 4/1/08		
705										
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-815

Project Name: IP - Champaign Former MGP	Elevation: 737.13'	Datum:
Project Number: 62403053	Coordinate X: 1012997.24	Coordinate Y: 1257175.01
Location: Offsite (Southeast corner)	Total Depth: 26.00'	Borehole Dia.: 2.00in
Date Started: 04/07/08	Date Completed: 04/07/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	80				FI	Silty CLAY with some roots; dark brown; no visible impact; soft; no odor; moist; (FILL)	1.0	
							CL	CLAY; light brown with dark brown mottling; no visible impact; medium stiff; no odor; moist; (CL)	1.1 1.2 1.3	2.0-3.0'
730	5	2 5-10	87				TL	Silty CLAY with trace gravel and fine grained sand; light brownish gray; no visible impact; stiff; no odor; moist (TILL)	1.2 1.0 1.2	7.0-8.0'
725	10	3 10-14	100						1.1 1.2 1.1	
								Silty CLAY with trace gravel; light gray; no visible impact; stiff; no odor; damp; (TILL)	1.2	
720	15	4 14-18	100						1.1 1.3 1.2	
	20	5 18-22	100					- very stiff	1.2 1.1	
715	25	6 22-26	100					Silty CLAY with trace fine grained sand and gravel; light gray; no visible impact; very stiff; no odor; damp; (TILL)	1.3	
710								- soft - very hard (TILL)		25.0-26.0'
	30							Auger refusal at 26.0' on 4/7/08		
705	35									
700	40									
695	45									
690	50									
685	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-816

Project Name: IP - Champaign Former MGP		Elevation: 737.56'	Datum:
Project Number: 62403053		Coordinate X: 1012893.21	Coordinate Y: 1257218.79
Location: Southeast Corner of Site		Total Depth: 27.00'	Borehole Dia.: 2.00in
Date Started: 04/01/08	Date Completed: 04/01/08	Section/Township/Range:	
Consultant: PSC	Drilled By: PSC		
Logged By: L. Hoosier	Drilling Method: GeoProbe		

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-4	67				FI	Silty CLAY with concrete, coal, brick fragments and roots; brown;no visible impact; medium stiff; no odor; damp; (FILL)		1.0-2.0'
								Silty CLAY; brown; no visible impact; stiff; no odor; damp; (CL)		
	5	2 4-8	100				CL	Silty CLAY with roots; light brown; no visible impact; no odor; (CL) - 0.5" sand seam - some fine grained sand/trace gravel; soft; moist; roots		
730								Sandy CLAY; brown; no visible impact; very soft; no odor; wet/water; (CL)		
	10	3 8-12	100					Silty CLAY with trace fine grained sand; light brown with dark gray area; no visible impact; soft; slight petro-like odor; moist; (CL) - 9.5' no odor - 0.5" sand seam (med. coarse grained) grading to sandy CLAY; light brown; very stiff; damp	0.5	9.0-9.5'
725		4 12-16	100				TL	Clayey fine grained SAND; light brown; no visible impact; very soft; no odor; wet; (SC)		
	15						TL	Sandy CLAY with some fine grained sand and gravel; light brownish gray; no visible impact; soft; no odor; moist; (CL) - very stiff		
720		5 16-20	100					15.0 - 18.0' no recovery (wet zone)		
	20	6 20-24	75					CLAY with some sand and coarse gravel; light gray; no visible impact; very stiff; no odor; moist; (CL)		19.0-21.0'
715										
	25	7 24-27	33					Sandy CLAY some sand and gravel; light gray; no visible impact; no odor; moist; (CL)		
710								Termination of boring at 27.0' on 4/1/08		
	30									
705										
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-817

Project Name: IP - Champaign Former MGP	Elevation: 737.17'	Datum:
Project Number: 62403053	Coordinate X: 1012853.92	Coordinate Y: 1257196.23
Location: Offsite (South center)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/07/08	Date Completed: 04/07/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	80				FI	Silty CLAY with some gravel and roots; dark brown; no visible impact; medium stiff; no odor; moist; (FILL)	0.7 0.8 0.9	2.0-3.0'
							CL	CLAY with roots; light brown; no visible impact; soft; no odor; moist; (CL)	1.0	
730	5	2 5-10	87					- 1.0" sand seam; wet - 3.0" sand seam; wet (SW) CLAY with trace gravel and fine grained sand; light brown/gray; no visible impact; no odor; wet; (CL)	0.9 1.1 1.6	8.0-9.0'
	10	3 10-14	100					- 6.0" sand seam; wet (SW) Sandy CLAY with trace silt and gravel; no visible impact; very soft; no odor; wet; (CL)	1.8 1.8 1.2	
725	15	4 14-18	100				TL	Silty CLAY with trace fine grained sand and gravel; no visible impact; medium stiff; no odor; moist; (TILL)	1.5 2.0 1.9	
720	20	5 18-22	100					Silty CLAY with trace fine grained sand and gravel; light gray; no visible impact; very stiff; no odor; damp; (TILL)	1.7 1.1 1.1	
715	25	6 22-26	100					- soft; wet	1.0 1.2 1.1	
710	30	7 26-30	100					- 1.0" sand seam; wet Sandy CLAY; light gray; no visible impact; very soft; no odor; wet; (TILL)	1.2 1.3 1.2	26.0-27.0'
705	35							- 3.0" sand seam; moist - hard	1.1 1.2	
700	40							Termination of boring at 30.0' on 4/7/08		
695	45									
690	50									
685	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID: **B-818**

Project Name: IP - Champaign Former MGP	Elevation: 737.89'	Datum:
Project Number: 62403053	Coordinate X: 1012822.48	Coordinate Y: 1257219.35
Location: South-Center Portion of Site	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/01/08	Date Completed: 04/01/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-4	100				FI	Cinders, some fine grained sand, some gravel, some silty clay; dark brown; no visible impact; no odor; moist; (FILL)		
								Silty CLAY with some sand; brown; no visible impact; no odor; wet; (CL)		2.0-3.0'
	5	2 4-8	100				CL	- 4.5' sand seam, no odor	2.2	
								- moderate coal tar-like odor	9.4	
								- strong coal tar-like odor	22.7	
730								Silty CLAY w/some sand; dark brown; coal tar-like impact; v. soft; strong odor; moist; (CL)	61.5	
		3 8-12	100				CL	- dark gray to black color; heavily stained with coal tar-like substance	71.1	7.5-8.0'
	10							At 8.0' Medium grained SAND; black; heavily stained; very strong odor; wet; (SW)	122.0	
								At 9.0' Sandy w/some clay; dark gray/black; heavily stained; very soft; strong coal tar-like odor; wet; (SC)	22.0	
							TL		3.0	
725		4 12-15	100					Silty CLAY with trace gravel; light brown; intermittent coal tar-like substance; soft; moderate odor; moist; (CL)	29.0	
								- heavily stained-saturated; very strong coal tar-like odor; wet	32.2	
	15	5 15-18	100					Silty CLAY with some sand; very heavily stained; very strong odor;	65.6	13.0-15.0'
								- wet-saturated	81.4	
								- very strong odor	117.0	
720								- 1.5" sand seam; wet; grads to silty clay; light brown; moderate staining and odor	85.1	
		6 18-21	100					At 15.0' Silty CLAY with trace gravel; light gray; no visible impact; stiff; slight odor; moist; (CL)	15.0	
	20							Silty CLAY; light gray; no visible staining; stiff; slight odor; damp; (CL)	2.7	
		7 21-24	100					- very slight odor	3.0	
715									3.6	
								- grading to gray silty clay	7.6	
	25	8 24-27	100						4.3	
									22.0	24.5-25.0'
									7.3	
710		9 27-30	100						5.2	
									3.9	
	30								13.5	
									6.6	
									6.4	
								Termination of boring at 30.0' on 4/1/08	3.4	
705	35									
700	40									
695	45									
690	50									
685	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-819

Project Name: IP - Champaign Former MGP	Elevation: 738.85'	Datum:
Project Number: 62403053	Coordinate X: 1012790.63	Coordinate Y: 1257168.70
Location: Offsite (South center)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/07/08	Date Completed: 04/07/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	87				FI	Silty CLAY with some roots; dark brown; no visible impact; stiff; no odor; damp; (FILL)	0.4 0.7 0.9	2.0-3.0'
	5	2 5-10	80				CL	CLAY with some roots; light brown with some dark brown mottling; no visible impact; medium stiff; no odor; damp; (CL)	0.6 1.1 1.2 1.3	
730	10	3 10-14	100				CL	- moist, soft - 1/8" sand seam at 10.5' Silt with trace gravel and fine grained sand; light brown; no visible impact; medium stiff; no odor; moist; (SM)	0.6	8.5-9.5'
725	15	4 14-18	100				TL	- 0.5" sand seam at 13.0'; wet - moist - sand seam - sand seam ~1.0"; wet Sandy CLAY with trace gravel; light brown; no visible impact; medium stiff; no odor;	0.8 0.6 1.2 0.8	
720	20	5 18-22	100				TL	damp; (TILL) - gravel, fine grading to coarse; wet	1.2 0.8	
715	25	6 22-26	100				TL	Sandy CLAY with trace gravel; light gray; no visible impact; medium stiff to stiff; no odor; moist; (TILL)	0.6	
		7 26-30	100							
710	30							- stiff; damp		28.0-29.0'
705	35							Termination of boring at 30.0' on 4/7/08		
700	40									
695	45									
690	50									
685	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-820

Project Name: IP - Champaign Former MGP	Elevation: 737.44'	Datum:
Project Number: 62403053	Coordinate X: 1012735.36	Coordinate Y: 1257189.72
Location: Offsite (South center)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/04/08	Date Completed: 04/04/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-4	100				FI	SILT with trace clay, gravel, and coal fragments; dark brown; no visible impact; no odor; (FILL)	0.9 1.0	1.0-2.0'
	5	2 4-8	100				CL	Silty CLAY with trace gravel and roots; day brown; no visible impact; stiff; no odor; damp; (CL)	0.9 1.1 1.2 1.3	
730								CLAY with roots; light brown; no visible impact; stiff; no odor; damp; (CL)	1.2 1.1	
	10	3 8-12	89					- sand seam (~1/8" thick), fine to medium grained sand; wet		8.5-9.5'
								Clayey SAND; light brown; no visible impact; soft; no odor; wet; (SC)		
725		4 12-15	75					- medium stiff	1.2	
	15	5 15-18	100				TL	- trace gravel (TILL) Silty CLAY with trace gravel; light gray; no visible impact; very stiff; no odor; damp; (TILL)	1.1 1.2	
720								- very hard	1.3	
	20	6 18-21	100					Silty CLAY with trace gravel; light gray; no visible impact; very stiff; no odor; damp; (TILL)	1.2 1.8 1.9	
715		7 21-24	100						1.8	
	25	8 24-27	100						0.9	25.0-26.0'
710		9 27-30	100							
	30							Termination of boring at 30.0' on 4/4/08		
705	35									
700	40									
695	45									
690	50									
685	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-821

Project Name: IP - Champaign Former MGP	Elevation: 734.99'	Datum:
Project Number: 62403053	Coordinate X: 1012676.03	Coordinate Y: 1257167.08
Location: Offsite (South center)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/04/08	Date Completed: 04/04/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
730	5	1 0-4	33				FI	Gravel with some silty clay; dark brown; (FILL)		0.5-3.0'
		2 4-8	12					Gravel with trace clay; light brown with red and orange mottling; no visible impact; soft; no odor; moist; (FILL)		
725	10	3 8-12	75				SC	SAND and gravel with trace clay; light brown; no visible impact; very soft; no odor; wet; (SP)		9.0-10.0'
		4 12-15	100				CL	Sandy CLAY; light brown; no visible impact; soft; no odor; moist; (CL) - 1/4" sand seam	0.7 1.8	
720	15	5 15-18	100				TL	Silty Clay with trace fine grained sand; light brown; no visible impact; stiff; no odor; damp; (CL)	1.7	
		6 18-21	75					Silty CLAY with trace gravel and fine grained sand; light brownish gray; no visible impact; stiff; no odor; damp; (TILL)	1.1	
715	20	7 21-24	100					Silty CLAY with trace gravel; light gray; no visible impact; stiff; no odor; damp; (TILL)	1.2 1.1	19.0-20.0'
710	25	8 24-27	100					Silty CLAY with trace gravel; light gray; no visible impact; very stiff to hard; no odor; damp; (TILL)		
		9 27-30	100							
705	30							Termination of boring at 30.0' on 4/4/08		
700	35									
695	40									
690	45									
685	50									
680	55									

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-822

Project Name: IP - Champaign Former MGP	Elevation: 737.77'	Datum:
Project Number: 62403053	Coordinate X: 1012685.40	Coordinate Y: 1257216.82
Location: South-Center Portion of Site	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/01/08	Date Completed: 04/01/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-4	75				FI	Silty Clay with coal and brick fragments; brown; no visible impact; soft; no odor; damp; (FILL)	0.3 0.5 0.7	1.0-30'
	5	2 4-8	100				CL	Silty CLAY; light brown; no visible impact; very stiff; no odor; damp; (CL) - some dark brown mottling	0.6 1.6	
730								Silty CLAY; light brownish green; no visible impact; soft; no odor; moist; (CL) - Sand pocket; dark gray; moderate naphthalene-like odor; moist	0.3 1.1	6.0-8.0'
	10	3 8-12	100				TL	Sandy CLAY; light brown; no visible impact; very soft; no odor; wet/water; (CL) - sand seam; dark gray; slight to moderate oil like odor; soft; moist - some gravel; no odor - some coarse gravel - stiff to hard; no odor	22.1	
725		4 12-15	100					- 1.0" sand seam; grayish brown grading to light brown/gray silty clay; - some coarse sand and gravel - very stiff to very hard		13.0-15.0'
	15	5 15-18	100					Silty CLAY with some fine grained sand; light gray; no visible impact; hard; no odor; damp; (CL)	1.4	
720		6 18-21	100					Sandy CLAY; light gray/brown; no visible impact; soft; no odor; moist; (CL) 16.0' - 4.0" fine to medium grained sand seam; gray; moist 16.5' - silty CLAY with some gravel and fine grained sand; light gray; no visible impact; hard; no odor; moist; (CL)	1.5 1.4	
	20	7 21-24	100				TL	Sandy with some clay; brownish gray; no visible impact; very soft; no odor; moist; (SC)	1.7 3.6	
715							TL	Sandy CLAY; light gray; no visible impact; very soft; no odor; wet; (CL)	2.7	
	25	8 24-27	100					- 3.0" sand seam; light gray; wet (SP) Silty CLAY with some fine grained sand; no visible impact; very hard; no odor; (CL) - 1.0" sand seam; light gray; wet	4.5 3.0	
710		9 27-30	100					Silty CLAY; light gray; no visible impact; soft; very slight fuel-like odor; moist; (CL)	10.6 13.0 7.5 7.1 5.0	27.0-28.0'
	30							Termination of boring at 30.0' on 4/1/08		
705	35									
700	40									
695	45									
690	50									
685	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-823

Project Name: IP - Champaign Former MGP	Elevation: 738.19'	Datum:
Project Number: 62403053	Coordinate X: 1012597.56	Coordinate Y: 1257218.44
Location: Southwest Corner of Site	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/01/08	Date Completed: 04/01/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-4	100				FI	Silty CLAY with bricks and concrete fragments, and organics; dark brown; no visible impact; no odor; (FILL)		
								- fabric snagged in shoe	0.5	3.0-4.0'
	5	2 4-8	100				CL	Silty CLAY with roots; light brown with dark brown mottling; no visible impact; stiff; no odor; damp; (CL)	0.4	
									0.5	
									0.2	
								- moist; 0.5" sand seam	0.1	
730		3	100						0.2	
	10	8-12						Silty CLAY; light brownish green; no visible impact; very soft; no odor; moist; (CL)	0.1	
								Silty CLAY; gray; no visible impact; soft; slight fuel-like odor; moist; (CL)	0.2	9.0-10.0'
									10.1	
									0.3	
725		4	100					Silty CLAY; light brown; no visible impact; stiff; no odor; damp; (CL)	4.5	
	15	12-18							2.4	
								- slightly stained; slight to moderate coal tar-like odor	0.4	13.0-15.0'
								- some gravel	0.2	
								- no odor	0.5	
									1.2	
									0.6	
720		5	100				TL	Silty CLAY with some sand and gravel; light gray; no visible staining; stiff; no odor; moist (CL)	15.2	
	20	18-24							5.8	
									0.2	
									0.3	
715										
	25	6 24-27	100							
710		7 27-30	100							
	30							Termination of boring at 30.0' on 4/1/08		
705										
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-824

Project Name: IP - Champaign Former MGP	Elevation: 737.34'	Datum:
Project Number: 62403053	Coordinate X: 1012584.24	Coordinate Y: 1257190.95
Location: Off-Site (Southwest Corner)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/04/08	Date Completed: 04/04/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-4	75				FI	Silty CLAY with trace coal fragments; dark brown; no visible impact; no odor; damp; (FILL)	0.5	1.0-3.0'
							CL	CLAY; light brown; no visible impact; stiff; no odor; damp; (CL)	0.0	
	5	2 4-8	100					- 3.5" sand seam; fine grained; light brown; wet	0.5	
730							CL	CLAY; light brown; no visible impact; soft; no odor; moist; (CL)	0.0	
							CL	SAND with some clay; light brown; no visible impact; very soft; no odor; wet; (SW)		
	10	3 8-12	100					7.0' - Sandy CLAY with trace gravel; no visible impact; medium stiff; no odor; moist; (CL)	0.6	9.0-10.0'
								8.0' - CLAY; light brown with gray mottling and trace gravel; no visible impact; slight petro-like odor; (CL)	3.8	
725		4 12-15	100				TL	Sandy CLAY with trace gravel; light brownish gray; no visible impact; soft; no odor; wet; (CL)	1.2	
	15	5 15-18	100				TL	Slity CLAY with trace gravel and sand; light gray; no visible impact; medium stiff to stiff; no odor; moist; (TILL)	0.4	
720		6 18-21	100						0.6	
	20	7 21-24	100					Silty CLAY with trace gravel; no visible impact; stiff; no odor; moist; (TILL)	0.3	
715									0.6	
									0.4	
	25	8 24-27	75					- very hard	0.5	
710		9 27-30	100						0.4	
	30							Termination of boring at 30.0' on 4/4/08	0.5	23.0-24.0'
705									0.4	
	35								0.5	
700									0.4	
	40								0.5	
695									0.4	
	45								0.3	
690									0.6	
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-825

Project Name: IP - Champaign Former MGP	Elevation: 737.30'	Datum:
Project Number: 62403053	Coordinate X: 1012533.02	Coordinate Y: 1257211.63
Location: Off-Site (Southwest Corner)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/03/08	Date Completed: 04/03/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: R. Huson	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-4	100				FI	Bricks, gravel and tree roots (FILL)	0.3	
							CL	Silty CLAY with trace gravel; greenish brown to light brown; no visible impact; no odor; (CL)	0.6	
								- changed to light brown CLAY (CL)	1.3	2.0-3.0'
	5	2 4-8	100					- 0.5' sand seam	1.4	
730									0.5	
		3 8-12	100				CL	Sandy, silty CLAY with gravel; light brown; no visible impact; no odor; wet; (CL)	0.6	
	10								0.8	
725									1.0	
		4 12-15	100					- 0.5' sand seam; wet	0.5	8.0-9.0'
	15						TL	- 13.5 - 14.0' transition to silty CLAY with gravel, gray; no visible impact; hard; no odor; dry; (TILL)	0.7	
		5 15-18	100					- Fall-in silty CLAY; light brown	1.0	
720									0.9	
		6 18-21	100					Silty CLAY with gravel; gray; no visible impact; hard; no odor; dry; (TILL)	0.6	
	20								0.8	
715		7 21-24	100						1.1	
									0.3	
	25	8 24-27	100						0.5	18.0-19.0'
710									0.7	
		9 27-30	100						0.3	
	30								0.5	
705								Termination of boring at 30.0' on 4/3/08	0.7	25.0-26.0'
	35								0.7	
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-826

Project Name: IP - Champaign Former MGP	Elevation: 737.52'	Datum:
Project Number: 62403053	Coordinate X: 1012532.97	Coordinate Y: 1257267.28
Location: Off-Site (West side of 5th Street)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/03/08	Date Completed: 04/03/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: R. Huson	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-4	65				FI	FILL; tree roots; black; (FILL)	0.5	
							CL	Silty CLAY; yellowish brown; no visible impact; no odor; moist; (CL)	0.6	2.0-3.0'
	5	2 4-8	79					Silty, sandy CLAY; yellow brown to light brown; no visible impact; no odor; (CL)	0.7 0.9 0.6 0.8	
730								- sand and gravel seam at 7.0'		
		3 8-12	94					- 7.0-9.0' layered sand and silty clay	1.1	8.0-9.0'
	10							- material stiffens; gravel	0.9 1.0	
725		4 12-16	100				SC	- 12.5-13.5' sand and gravel layer; saturated	1.1 0.5	
	15						CL		0.6 0.7	
		5 16-19	100						1.2	16.0-17.0'
720								Silty CLAY with abundant gravel; gray; no visible impact; hard; no odor; moist; (TILL)	0.9	
	20	6 19-22	69				TL		1.0 0.8 0.6	
715		7 22-25	100						0.5 0.7 0.8	
	25	8 25-28	100						0.5 0.5 0.4	
710								- 28.0-29.5' soft, wet seam	1.2	
	30	9 28-30	100						1.1 0.9	
705								Termination of boring at 30.0' on 4/3/08		
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-827

Project Name: IP - Champaign Former MGP	Elevation: 738.40'	Datum:
Project Number: 62403053	Coordinate X: 1012596.34	Coordinate Y: 1257315.25
Location: West side of site	Total Depth: 28.50'	Borehole Dia.: 2.00in
Date Started: 04/02/08	Date Completed: 04/02/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-4	75				FI	Silty CLAY with some gravel, roots, and brick fragments; dark brown; no visible impact;	0.9	
							CL	medium stiff; no odor; damp; (FILL)		
								Silty CLAY with roots; light brown with some mottling; no visible impact; medium stiff; no	1.0	2.5-3.0'
	5	2 4-8	100					odor; damp; (CL)	1.1	
								- moist; very slight odor	1.2	
								- gray; light MGP-like staining; moderate odor	7.5	
730		3 8-12	100					- 4.0" sand seam; dark gray; moderate staining; strong odor; soft; wet	16.5	
	10							Silty CLAY; light brownish green; no visible impact; slight odor; very moist; (CL)	29.5	7.0-8.0'
								- 0.5" sand seam; light brown; slight odor; wet (saturated)	21.9	
									22.5	
								SAND with trace clay; no visible impact; very soft; slight to moderate odor; wet; (SP)	15.4	
									10.3	
									2.7	
		4 12-16	100				SP	Clayey SAND with some gravel; gray; light staining; slight odor; wet; (SC)	2.4	
725									11.3	12.0-13.0'
							SC	Silty CLAY with some gravel and fine grained sand; light brown/gray; no visible impact; stiff;	1.3	
	15							slight odor; damp; (CL)	9.2	
							TL	Silty CLAY;; light brown; no visible impact; very stiff to hard; slight odor; damp; (CL)	1.5	
		5 16-20	100						6.4	
720								Sandy CLAY; gray; no visible impact; very stiff; slight odor; moist; (CL)	0.3	
									1.5	
	20							- very slight odor	1.2	
		6 20-24	100						0.5	
									1.5	
								Silty CLAY with some sand and gravel; light gray; no visible impact; stiff very stiff; slight	1.9	
715								odor; damp; (CL)	1.8	
									1.6	
	25	7 24-28.5	100						1.4	
								SAND with trace clay; gray; no visible impact; moderate odor; wet-saturated; (SC)	1.5	
									1.6	26.0-27.0'
710								Silty CLAY; light gray; very light staining (sheen); very hard; slight to moderate odor; damp; (CL)	1.7	
									1.9	
	30							Auger refusal at 28.5' on 4/2/08		
705										
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-828

Project Name: IP - Champaign Former MGP		Elevation: 737.85'	Datum:
Project Number: 62403053		Coordinate X: 1012532.80	Coordinate Y: 1257334.52
Location: Off-Site (West side of 5th Street)		Total Depth: 26.80'	Borehole Dia.: 2.00in
Date Started: 04/03/08	Date Completed: 04/03/08	Section/Township/Range:	
Consultant: PSC	Drilled By: PSC		
Logged By: R. Huson	Drilling Method: GeoProbe		

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
737	0	1 0-4	58				FI	1.7' FILL (soil); black; damp	0.3	
							CL	Silty CLAY; yellowish brown; no visible impact; no odor; damp; (CL)	0.4	2.0-3.0'
735	5	2 4-8	90					Silty CLAY with gravel; yellowish brown; no visible impact; no odor; (CL)	0.5 0.4	
730	10	3 8-12	92					- changes to greenish gray, no gravel - MGP-like odor	0.5 0.9 1.1	9.0-10.0'
725	15	4 12-15	93					- MGP-like odor Sandy CLAY with gravel; greenish gray; no visible impact; no odor; moist; (CL) - changes to wet sand, ~1.0' thick	2.6 1.5 1.7	12.0-13.0'
		5 15-18	94					Silty CLAY with gravel; reddish gray; no visible impact; no odor; (CL)	0.8	
720	20	6 18-22	90				TL	Silty CLAY with gravel; gray; no visible impact; no odor; (CL) - hard drilling at 21.0'	0.7 0.5 1.5 1.2	17.0-18.0'
715	25	7 22-24	58						1.4 1.1 0.7	
		8 24-26.8	94						0.8 1.5	
710	30							Auger refusal at 26.8' on 4/3/08		
705	35									
700	40									
695	45									
690	50									
685	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-829

Project Name: IP - Champaign Former MGP	Elevation: 737.10'	Datum:
Project Number: 62403053	Coordinate X: 1012596.14	Coordinate Y: 1257367.55
Location: West side of site	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/02/08	Date Completed: 04/02/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-4	63				FI	Topsoil with roots and gravel, grading to concrete and gravel fragments; dark brown; no visible impact; stiff; no odor; damp; (FILL)	1.0	2.0-3.0'
								Clayey SILT with some gravel; dark brown; no visible impact; very soft; no odor; very moist; (ML)	1.4	
	5	2 4-8	75				CL	Silty CLAY with trace gravel; no visible impact; firm; no odor; moist; (CL)		
								Silty CLAY; light brown; no visible impact; soft; slight to moderate odor; moist; (CL)		
730								Silty CLAY with some fine grained sand; light greenish gray; black staining (residual); strong odor; moist; (CL)	11.4	6.0-7.0'
								- moderate odor	15.9	
	10	3 8-12	100				CL	Silty with some clay and sand; light greenish gray; no visible impact; soft; no odor; moist; (ML)	4.3	
								- 0.5" sand seam, fine to medium grained; light black residual staining; moderate odor; moist to very moist	2.7	
725								Sand with trace CLAY, medium to coarse grained; light gray to gray; no visible impact; slight odor; wet; (SC)		
		4 12-15	100				TL	13.0' SAND with trace CLAY; grayish green; intermittent residual black staining; moderate odor; wet; (SC)	4.0	
	15	5 15-18	100				TL	Sandy CLAY; light brownish gray; no visible impact; soft; slight odor; moist; (SC)		
720								- stiff to hard; slight odor	2.0	
		6 18-21	100					SILT with some clay, fine grained sand, and gravel; light gray; no visible impact; very stiff; slight odor; damp; (TILL)		
	20							SAND with trace clay and silt; no visible impact; no odor; (SC)		
715		7 21-24	100					Sandy CLAY, medium to coarse, some silty and gravel; no visible impact; very stiff to hard; no odor; moist; (CL)	8.1	21.0-22.0'
								- slight odor	7.0	
	25	8 24-27	100					Sandy CLAY with some medium to coarse grained sand; light gray; no visible impact; very stiff to hard; very slight odor; (CL)	11.0	
710								- very slight odor		
		9 27-30	100					Silty CLAY with coarse sand and gravel, few cobbles; light gray; no visible impact; very stiff; very slight odor; damp; (CL)	15.6 5.7	
	30							- no odor	13.0 4.7	
705								Termination of boring at 30.0' on 4/2/08		
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-830

Project Name: IP - Champaign Former MGP		Elevation: 737.55'	Datum:
Project Number: 62403053		Coordinate X: 1012532.24	Coordinate Y: 1257417.02
Location: Off-Site (West side of 5th Street)		Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/03/08	Date Completed: 04/03/08	Section/Township/Range:	
Consultant: PSC	Drilled By: PSC		
Logged By: L. Hoosier	Drilling Method: GeoProbe		

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	80				FI	Silty CLAY with coal and concrete fragments; dark brown; no visible impact; no odor; slightly damp; (FILL)	0.6	2.0-3.0'
							CL	CLAY with some silt; light brown; no visible impact; medium stiff; no odor; damp; (CL)	0.7	
730	5	2 5-10	80					CLAY with some fine grained sand; light brown; no visible impact; very soft; no odor; moist; (CL)	0.6 0.4	
								- 0.5' sand seam; wet	0.7	8.0-8.5'
725	10	3 10-14	100					SAND; light brown; no visible impact; no odor; wet (saturated); (SW)	0.9	
								Silty CLAY; light brown with light gray mottling; no visible impact; soft; no odor; wet; (CL)	0.5	
720	15	4 14-18	100				TL	- moist - trace gravel and sand; very slight hydrocarbon-like odor Silty CLAY with trace gravel and fine grained sand; no visible impact; very stiff; no odor; damp; (TILL)	0.6 0.7 0.9	
		5 18-22	100					- soft; moist	0.6 0.7	
715	20	6 22-26	50					Silty CLAY with trace gravel and fine grained sand; no visible impact; medium stiff; no odor; moist; (CL)	0.8 0.9 1.1 0.0	
710	25	7 26-30	100						0.3	28.0-30.0'
705	30							Termination of boring at 30.0' on 4/3/08	0.4	
700	35									
695	40									
690	45									
685	50									
680	55									

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID: **B-831**

Project Name: IP - Champaign Former MGP		Elevation: 737.44'	Datum:
Project Number: 62403053		Coordinate X: 1012532.27	Coordinate Y: 1257487.85
Location: Off-Site (West side of 5th Street)		Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/03/08	Date Completed: 04/03/08	Section/Township/Range:	
Consultant: PSC	Drilled By: PSC		
Logged By: R. Huson	Drilling Method: GeoProbe		

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	60				FI	Silty CLAY with some coal fragments; dark brown; no visible impact; no odor; damp; (FILL)	0.5 0.3	1.0-3.0'
730	5	2 5-10	100				CL	CLAY; light brown; no visible impact; medium stiff; no odor; damp; (CL) SAND with trace clay; light brown, no visible impact; no odor; wet; (SC) - slight odor - moderate MGP-like staining, moderate odor	0.4 0.5 0.9 3.1	
725	10	3 10-14	100					Sandy CLAY; light brown; moderate to heavy staining (MGP-like); soft; wet; (CL) Sand with trace clay; greenish gray; heavily impacted from 11.0-12.0', saturated with coal tar-like substance; very strong coal tar-like odor 12.0-13.0' Silty CLAY with gravel; yellowish brown; coal tar-like substance in voids and fractures; strong coal tar-like odor	158 87 61.5 21.2 98.6	9.0-10.0' 10.5-12.0'
720	15	4 14-18	100				TL	Silty CLAY with gravel; gray; no visible impact; very stiff; slight coal tar-like odor, (TILL)	9.2 5.6 7.9 8.6 5.9	
715	20	5 18-22	100					- very slight odor	4.2 2.1	18.0-20.0'
710	25	6 22-26	100					- no odor	2.1 7.0	
705	30	7 26-30	100					- soft Termination of boring at 30.0' on 4/3/08	0.7 0.7	
700	35									
695	40									
690	45									
685	50									
680	55									

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-832

Project Name: IP - Champaign Former MGP	Elevation: 737.10'	Datum:
Project Number: 62403053	Coordinate X: 1012532.30	Coordinate Y: 1257538.46
Location: Off-Site (West side of 5th Street)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/04/08	Date Completed: 04/04/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: R. Huson	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	72				FI	Silty clayey FILL with tree roots, gravel and coal-fragments; no visible impact; hydrocarbon-like odor (at 2.0'), damp; (FILL)	0.0	2.0-3.0'
	5	2 5-10	95					- slight hydrocarbon-like odor		
730							CL	Silty CLAY; light yellowish brown; no visible impact; no odor; moist; (CL)		7.0-8.0'
	10	3 10-14	100					- soft - 10.0-11.0' sand seam, water saturated		
725								Silty CLAY with gravel; yellowish brown mottled with gray; no visible impact; no odor; moist; (CL)		11.0-12.0'
	15	4 14-18	85				TL	- material stiffens - color change to greenish gray/gray		
720		5 18-22	100					Silty CLAY with gravel; gray; no visible impact; no odor; (TILL)		
	20									
715		6 22-26	100							
	25									
710		7 26-30	100							
	30								0.0	
705								Termination of boring at 30.0' on 4/4/08		
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-833

Project Name: IP - Champaign Former MGP	Elevation: 738.55'	Datum:
Project Number: 62403053	Coordinate X: 1012607.20	Coordinate Y: 1257527.24
Location: Northwest Corner of Site	Total Depth: 33.00'	Borehole Dia.: 2.00in
Date Started: 04/02/08	Date Completed: 04/02/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-4	50				FI	Brick, concrete, and coal fragments, some silty clay; (FILL)	1.0	2.0-3.0'
	5	2 4-8	63						2.0 3.5	
730	10	3 8-12	100				CL	Sand, brick and coal fragments; (FILL) - moderate staining, moderate odor Silty CLAY; light greenish gray; coal tar-like substance in voids-stringers; stiff; strong odor; damp; (CL)	25.5 23.1 35.9 62.1	9.0-10.0'
								- coal tar-like substance in voids and fractures; very stiff; strong odor	68.2 84.6 137 185	10.0-12.0'
725	15	4 12-15	100					Silty CLAY with light gray and light brown motting; no visible coal-tar like stringers; very stiff; moderate odor; damp; (CL) - occasional gravel and coarse sand	58.5 21.3 20.7 19.0	
		5 15-18	100				TL	Sandy CLAY with trace gravel and medium grained sand; light gray; no visible impact; stiff; slight odor; damp; (CL)	5.9 15.9	
720	20	6 18-21	63					Silty CLAY with trace gravel and sand; light gray; no visible impact; stiff to very stiff; slight odor; damp; (CL)	2.6 2.9 1.5 23.3	
		7 21-24	100					Sandy CLAY with some silt and trace fine gravel; light gray; no visible impact; very stiff to very hard; slight odor; damp; (CL)	3.7 3.5 2.7 15.3	
715	25	8 24-27	100						6.5 4.5 3.6 2.8	
		9 27-30	100					- coal tar-like globule-not throughout, strong odor	6.6 69.1	26.0-27.0'
710	30	10 30-33	100					Silty CLAY with some gravel and fine grained sand; light brown; no visible impact; very hard; slight odor; dry to damp; (CL) - medium stiff, no odor	11.4 5.8 1.8 1.6 1.7 1.5	31.0-32.0'
705	35							Sandy CLAY; light gray; no visible impact; no odor; moist; (CL)	1.4	
700	40							Termination of boring at 33.0' to avoid punching through TILL, on 4/2/08		
695	45									
690	50									
685	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-834

Project Name: IP - Champaign Former MGP		Elevation: 737.24'	Datum:
Project Number: 62403053		Coordinate X: 1012531.30	Coordinate Y: 1257599.39
Location: Off-Site (Northwest Corner)		Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/04/08	Date Completed: 04/04/08	Section/Township/Range:	
Consultant: PSC	Drilled By: PSC		
Logged By: R. Huson	Drilling Method: GeoProbe		

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	93				FI	SILT with trace clay, some gravel, coal fragments, and trace organics (roots); dark brown; no visible impact; no odor; damp; (FILL)	1.1 1.3 1.5	1.0-2.0'
								- coal fragments/color change to greenish gray	1.3	
	5							- diesel-like odor	1.5	
		2 5-10	93					- 5.0-6.0' FILL material	19.4	
730							CL	Silty CLAY with trace gravel; greenish gray; no visible impact; stiff; strong diesel-like odor, damp; (CL)	13.1 24.0	6.0-7.0'
								- 0.5' sand and gravel seam	20.0	
	10	3 10-14	100						8.1 14.0 12.1	
725									5.0	11.5-12.5'
								- 14.0-17.5' tar-like nodules	7.3	
	15	4 14-18	100				TL	Silty CLAY with gravel; greenish gray; tar-like nodules; stiff; strong coal tar-like odor; moist; (CL)	7.8 31.0	15.0-16.0'
720									36.0 66.0	
		5 18-22	100					- color change to gray; coal tar-like odor	20.0	
	20							- 18.0-19.0' slight diesel-like odor	4.3	
								- 20.0' no odor	2.7	
715		6 22-26	100						2.0	21.0-22.0'
	25									
		7 26-30	100							
710									2.0	
	30							Termination of boring at 30.0' on 4/4/08		
705										
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-835

Project Name: IP - Champaign Former MGP	Elevation: 739.52'	Datum:
Project Number: 62403053	Coordinate X: 1012633.42	Coordinate Y: 1257525.10
Location: Northwest Corner of Site	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/02/08	Date Completed: 04/02/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	5							0.0 to 18.0' Undifferentiated overburden (see boring B-503)		
730	10									
725	15									
720	20	1 18-21	100				CL	Sandy CLAY with trace silt and gravel; light brownish gray; no visible impact; soft; slight to moderate odor; moist; (CL)	9.2	
		2 21-24	100				TL	Silty CLAY wiht trace fine grained sand and gravel; no visible impact; stiff; very slight odor; damp; (CL) - no odor	7.8 3.8	
715	25	3 24-27	100					- some sand; slight odor; very hard - stiff; very slight odor	1.8 6.9 7.6	
		4 27-30	100					- coal tar-like substance in voids and fractures; strong odor	20.1 13.1 71.0	28.0-28.5'
710	30							Termination of boring at 30.0' on 4/3/08	9.6	
705	35									
700	40									
695	45									
690	50									
685	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-836

Project Name: IP - Champaign Former MGP	Elevation: 737.11'	Datum:
Project Number: 62403053	Coordinate X: 1012452.04	Coordinate Y: 1257581.87
Location: Off-Site (Northwest Corner)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/08/08	Date Completed: 04/08/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	100				FI	Cinders, brick fragments, gravel, some silty clay; dark brown; no visible impact; loose; no odor; (FILL)	0.2 0.8	1.5-2.5'
								Silty CLAY with roots; dark brown; no visible impact; stiff; no odor; moist; (FILL)	0.7 4.2	
730	5	2 5-10	100				CL	Silty CLAY; dark brown; no visible impact; strong diesel-like odor; moist; (CL)	12.2 144	
								- some sand	236	
	10	3 10-14	100					- very strong diesel-like odor; gray - 0.5' sand seam; moist	115 288 538	9.0-10.0'
725								SAND with trace clay; brown; lightly impacted; strong diesel-like odor; saturated; (SW)	635	
							SC	- sheen and strong odor from 10.0-11.5'	32.4	
	15	4 14-18	100					- 13.0-14.0' moderate diesel-like odor - very slight diesel-like odor	7.6 6.1	
720								Silty CLAY; light brown; no visible impact; slight odor; wet; (CL)	5.6	
								- 0.5' sand seam	3.2	
	20	5 18-22	100				TL	Silty sandy CLAY with gravel; light brown; no visible impact; stiff; very slight odor in sand; moist; (CL)	2.9 2.4	
715								Silty CLAY with gravel; brownish gray; no visible impact; stiff; no odor; moist; (TILL)	2.5	
		6 22-26	100					- 0.5' sand seam	7.7 3.6 2.8 1.8 2.1	
	25							Silty CLAY with gravel; gray; no visible impact; very stiff; no odor; moist; (TILL)	2.9	25.0-26.0'
710		7 26-30	100					- 2.0" sand with gravel	3.5 2.8	
	30							Silty CLAY with gravel; brownish gray; no visible impact; stiff; no odor; moist; (TILL) - gray	2.4	
705								Termination of boring at 30.0' on 4/8/08		
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-837

Project Name: IP - Champaign Former MGP	Elevation: 735.66'	Datum:
Project Number: 62403053	Coordinate X: 1012508.00	Coordinate Y: 1257691.45
Location: Off-Site (Northwest Corner)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/14/08	Date Completed: 04/14/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	50				FI	Silty CLAY trace cinders and gravel; dark brown; no visible impact; stiff; no odor; damp; (FILL)		0.5-2.0'
730	5	2 5-10	80				CL	CLAY; yellowish brown; no visible impact; soft; no odor; moist; (CL)	1.0 0.3 0.5 0.7 0.9	
725	10	3 10-14	100				TL	SAND with trace clay; no visible impact; no odor; wet; (SC) SAND, medium to coarse grained; light brown; no visible impact; no odor; wet-saturated; (SP)	1.0 0.9	9.0-10.0'
720	15	4 14-18	100				TL	Sandy CLAY, trace sand and gravel; light brown; no visible impact; soft; no odor; wet; (CL) Sandy CLAY with trace sand and gravel; no visible impact; stiff; no odor; damp; (TILL) Silty CLAY with trace sand and gravel; no visible impact; stiff to hard; no odor; damp; (TILL)	0.8 1.0 0.8 0.7 0.6	12.0-13.0'
715	20	5 18-22	100					Silty, sandy CLAY; gray; no visible impact; hard; no odor; damp; (TILL)	0.7 0.5 0.7	
710	25	6 22-26	100					- very little recovery - 12.0" wet sand; approximately 10.0" sandy CLAY, gray, hard, (TILL)	0.6	
705	30	7 26-30	100					Silty CLAY with trace gravel; gray; no visible impact; medium stiff; no odor; moist; (TILL)	0.6 0.7	
700	35							Termination of boring at 30.0' on 4/14/08	0.6 0.8	
695	40									
690	45									
685	50									
680	55									

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-838

Project Name: IP - Champaign Former MGP	Elevation: 737.35'	Datum:
Project Number: 62403053	Coordinate X: 1012532.21	Coordinate Y: 1257447.94
Location: Off-Site (West side of 5th Street)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/04/08	Date Completed: 04/04/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: R. Huson	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	93				FI	Silty, clay, FILL with coal fragments; dark brown; no visible impact; no odor; (FILL)	0.4	1.0-2.0'
							CL	Silty CLAY with trace gravel; yellowish brown; no visible impact; stiff; no odor; moist; (CL)	0.6	
730	5	2 5-10	77					Silty, sandy CLAY; yellow brown; no visible impact; soft; no odor; moist; (CL)	0.4	
								- changes to silty CLAY	0.5	
									0.7	
									0.3	
									0.6	
									0.7	
725	10	3 10-14	100					- changes to sandy CLAY	0.6	9.0-10.0'
								Silty CLAY; yellowish brown grading to greenish gray (at 14.0')	0.5	
									0.5	
									1.2	
							TL	Silty SAND; greenish gray; moderate impact; strong coal tar-like odor; moist; (SP)	7.6	
720	15	4 14-18	100					- 13.5-14.0' moderate impact	314	
								- 14.0-15.0' heavily impacted	76.5	15.0-16.0'
							TL	15.0'- silty CLAY with gravel; gray; no visible impact; strong coal tar-like odor; moist; (CL)	30.6	
		5 18-22	100						3.0	
	20								2.5	
								- no odor	1.2	
715		6 22-26	100						1.1	
								- 2.0" fall-in, sandy CLAY; impacted at top of sample	1.4	
	25								24.7	
									11.1	
710		7 26-30	100					- 3.0" fall-in, sandy CLAY; impacted at top of sample	22.5	
									7.9	
	30								8.6	
								Termination of boring at 30.0' on 4/4/08	6.4	
705									2.6	
	35								2.4	29.0-30.0'
									2.6	
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-839

Project Name: IP - Champaign Former MGP	Elevation: 737.87'	Datum:
Project Number: 62403053	Coordinate X: 1012515.81	Coordinate Y: 1257446.52
Location: Off-Site (West side of 5th Street)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/14/08	Date Completed: 04/14/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: R. Huson	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	77				FI	Silty CLAY/topsoil; dark brown; no visible impact; stiff; no odor; damp; (FILL)	0.3	
							CL	Silty CLAY; light yellowish brown; no visible impact; no odor; damp; (CL)	0.2 0.3	2.0-3.0'
	5	2 5-10	100					Silty CLAY with sand; light yellowish brown; no visible impact; medium stiff; no odor; moist; (CL)	0.2 0.9 0.2	6.0-7.0'
730									0.4 0.9	
	10	3 10-14	100				TL	SILT; yellowish brown; no visible impact; stiff; no odor; moist; (ML)	0.9 0.3	
725								SILT with intermittent fine grained sand layers, less than 1.0"; no visible impact; stiff; no odor; damp; (ML)	0.6 0.6	
	15	4 14-18	100				TL	CLAY; gray; no visible impact; soft; no odor; moist; (CL)	0.5	
720								SILT; gray; no visible impact; medium stiff; no odor; moist; (ML) - sand, wet-saturated	0.4	16.0-17.0'
	20	5 18-22	100					Silty CLAY; gray; no visible impact; stiff; no odor; damp; (TILL)	0.6 0.4	
715		6 22-26	100					- sandy; medium stiff	0.6	
	25	7 26-30	100					- 2.0-3.0" sand seam	0.5	
710	30							Termiantion of boring at 30.0' on 4/14/08	0.7	
705	35									
700	40									
695	45									
690	50									
685	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID: **B-840**

Project Name: IP - Champaign Former MGP		Elevation: 737.09'	Datum:
Project Number: 62403053		Coordinate X: 1012495.20	Coordinate Y: 1257474.84
Location: Off-Site (West side of 5th Street)		Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 04/15/08	Date Completed: 04/15/08	Section/Township/Range:	
Consultant: PSC	Drilled By: PSC		
Logged By: L. Hoosier	Drilling Method: GeoProbe		

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	80				FI	Silty CLAY with roots and trace gravel; dark brown; no visible impact; medium stiff; no odor; moist; (FILL)		10-2.0'
								SILT with trace clay; light brown; no visible impact; stiff; no odor; damp; (ML)	0.2	
730	5	2 5-10	77				CL	Sandy CLAY; light brown, no visible impact; medium stiff; no odor; moist; (CL)	0.1	7.0-9.0'
								- 4.0" sand seam; wet		
								SILT with trace fine grained sand; light brownish gray; no visible impact; soft; no odor; wet; (ML)	0.2	
725	10	3 10-14	100				TL	- at 9'10" a 0.5" sand/gravel seam - wet	0.3	
								SAND with trace clay; light brown; wet	0.2	
								- sand, wet - saturated		
720	15	4 14-18	100				TL	SILT; light brown; no visible impact; medium stiff; no odor; wet; (ML)	0.3	
								- grades to silty CLAY, gray with trace gravel (FILL) at 14.0'	0.2	
								- gray; stiff	0.1	
	20	5 18-22	100					Silty CLAY trace gravel; gray; no visible impact; stiff to hard; very slight coal tar-like odor; damp; (TILL)	0.2	19.0-19.0'
715								- no odor	0.6	
		6 22-26	100					- stiff, no odor	0.2	
	25								0.4	
710		7 26-30	100					- hard; some gravel	0.2	
									0.1	
	30								0.3	
705								- no odor	0.4	
								Termination of boring at 30.0' on 4/15/08		
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-841

Project Name: IP - Champaign Former MGP	Elevation: 737.30'	Datum:
Project Number: 62403053	Coordinate X: 1012525.83	Coordinate Y: 1257446.93
Location: Off-Site (West side of 5th Street)	Total Depth: 22.00'	Borehole Dia.: 2.00in
Date Started: 04/15/08	Date Completed: 04/15/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	5									
730	10	1 10-14	100				CL	SILT with trace fine grained sand; light brown; no visible impact; medium stiff; no odor; moist; (ML)	1.2 0.5 1.2 1.4	
725	15	2 14-18	100					- slight coal tar-like odor - Sand seam with trace silt; moderate staining, strong coal tar-like odor; wet	6.4	
720	20	3 18-22	100				TL	Silty CLAY with some gravel; gray; no visible impact; stiff to hard; (TILL) Sandy CLAY; grayish brown; moderate staining with coal tar-like like substance, very strong odor; wet; (CL) - 19.0-20.0'Sand and gravel seam; heavily impacted Silty CLAY with some gravel; gray; no visible impact; medium stiff to stiff; slight coal tar-like odor; damp; (TILL)	20.9 6.0 329 218 17.5 13.8	
715	25							Termination of boring at 22.0' on 4/15/08		
710	30									
705	35									
700	40									
695	45									
690	50									
685	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-843

Project Name: IP - Champaign Former MGP		Elevation: 736.57'	Datum:
Project Number: 62403053		Coordinate X: 1012732.71	Coordinate Y: 1257623.55
Location: Off-Site (North Center of Site)		Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 05/06/08	Date Completed: 05/06/08	Section/Township/Range:	
Consultant: PSC	Drilled By: PSC		
Logged By: R. Huson	Drilling Method: GeoProbe		

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	78				FI	Topsoil; Silty CLAY; dark brown; no visible impact; medium stiff; no odor; damp; (FILL)	0.0	
							CL	Silty CLAY, some plasticity; yellowish brown; no visible impact; medium dense; no odor; damp; (CL)		2.0-3.0'
	5	2 5-10	100					- same as above with gravel and sand; moist		
730										7.0-8.0'
	10	3 10-14	100					- 10.0' - 10.3' sand seam; wet		10.0-11.0'
725								- color change to light gray		
	15	4 14-18	100				TL	Silty CLAY with sand and gravel; no visible impact; stiff; no odor; damp; (TILL)		
720										
	20	5 18-22	100					Silty CLAY with sand and gravel; no visible impact; medium stiff to stiff; no odor; damp; (TILL)		
715		6 22-26	100							
	25									
710		7 26-30	100							
	30								0.0	
705								Termination of boring at 30.0' on 5/6/08		
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-844

Project Name: IP - Champaign Former MGP	Elevation: 736.56'	Datum:
Project Number: 62403053	Coordinate X: 1012778.04	Coordinate Y: 1257606.36
Location: Off-Site (North Center of Site)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 05/06/08	Date Completed: 05/06/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	80				FI	Silty CLAY with trace gravel, coal cinders, and roots; dark brown; no visible impact; stiff; no odor; damp; (FILL)	18.2	1.0-2.0'
									4.5	
							CL	CLAY; light brownish yellow; no visible impact; medium stiff; no odor; moist; (CL)		
	5	2 5-10	80					- some sand and gravel; soft; moist		
730										
							SC	- 2.0" sand seam, wet - medium stiff		8.0-9.0'
	10	3 10-14	75					Sand with some silt; light brown; no visible impact; very soft; no odor; wet-saturated; (SP)	0.6	
725								- slight coal tar-like odor at 11.5'	1.0	
								Silty CLAY with some sand and gravel; light brown; no visible impact; stiff; slight coal tar-like odor; damp; (CL)	0.8	
	15	4 14-18	75					- 4.0" sand; light brown	2.0	
							TL	Silty, sandy CLAY with some gravel; gray; coal tar-like substance in voids and fractures; stiff; strong coal tar-like odor; damp; (TILL)	21.7 63.6	15.0-16.0'
720									36.8	
		5 18-22	100					Silty CLAY; gray; no visible impact; stiff to hard; moderate coal tar-like odor; damp; (CL)	34.1 16.3	
	20								5.8	
715									2.8	
		6 22-26	100					- slight odor	1.6	
	25							Sandy CLAY; gray; no visible impact; medium stiff; very slight coal tar-like odor, damp to moist; (CL)	1.0 0.9	
710		7 26-30	100					- no odor	2.1 6.1	
									0.3	
	30							- 2.0" sand seam at 29.5'; moist		
705									0.1	
								Termination of boring at 30.0' on 5/6/08		
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-845

Project Name: IP - Champaign Former MGP	Elevation: 737.39'	Datum:
Project Number: 62403053	Coordinate X: 1012782.12	Coordinate Y: 1257649.91
Location: Off-Site (North Center of Site)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 05/06/08	Date Completed: 05/06/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: R. Huson	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-2	100				FI		0.0	0.0-2.0'
		2 2-4	100				CL	Silty CLAY; light brown; no visible impact; medium stiff; no odor; moist; (CL)		2.0-4.0'
	5	3 445 5-10	100 93					- color change to yellowish gray		6.0-7.0'
730								Silty CLAY with sand and gravel; yellowish gray; no visible impact; medium stiff to stiff; no odor; wet; (CL)		
	10	5 10-14	96				TL	- 3.0" sand, wet		13.0-14.0'
725								Silty CLAY with gravel and sand; gray; no visible impact; stiff; no odor; moist; (CL)		
	15	6 14-18	100					Silty CLAY with gravel and sand; gray; no visible impact; medium stiff to stiff; no odor; damp; (TILL)		
720										
	20	7 18-22	100							
715										
	25	8 22-26	100					- 2.0-3.0" sand seam		
710		9 26-30	100							
	30							Termination of boring at 30.0' on 5/6/08	0.0	
705	35									
700	40									
695	45									
690	50									
685	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID: **B-846**

Project Name: IP - Champaign Former MGP	Elevation: 735.78'	Datum:
Project Number: 62403053	Coordinate X: 1012846.53	Coordinate Y: 1257567.34
Location: Off-Site (North Center of Site)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 05/07/08	Date Completed: 05/07/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	20				FI	No recovery 0.0-3.0'		
								Silty CLAY with gravel, cinders, and brick fragments; dark brown; no visible impact; medium stiff; no odor; damp; (FILL)		
730	5	2 5-10	100				CL	CLAY; greenish gray; no visible impact; soft; slight coal tar-like odor, moist; (CL)	0.9 0.7 1.3	
								- coal tar-like substance - strong odor	29.5	8.5-9.5'
725	10	3 10-14	100					SAND with some clay, gravel, and sand; brownish black; sheen; very soft; strong coal tar-like odor; wet - saturated; (SC)	10.7	10.0-11.0'
								Silty CLAY with some gravel; light brownish gray; no visible impact; medium stiff; slight odor; moist; (TILL)	4.8 1.3 3.4	
720	15	4 14-18	100				TL	Silty CLAY with some sand and gravel; greenish gray grading to gray; no visible impact; stiff; slight coal tar-like odor; damp; (TILL)	3.1 20.8 17.6	
		5 18-22	100					Silty CLAY with gravel and sand; gray; no visible impact; slight odor; moist; (TILL)	16.9 18.1 18.4	
715	20	6 22-26	100					- no odor	10.7 0.9	20.0-21.0'
								- 0.5" sand seam; moist	1.1	
710	25	7 26-30	100					- 1.5" sand seam; moist - at 25.10' 1.0" sand seam	0.9 0.8 0.7	
								Silty CLAY with some sand and gravel; gray; no visible impact; no odor; moist; (CL)		
705	30							- soft and moist	0.6	
								Termination of boring at 30.0' on 5/7/08		
700	35									
695	40									
690	45									
685	50									
680	55									

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-847

Project Name: IP - Champaign Former MGP	Elevation: 737.12'	Datum:
Project Number: 62403053	Coordinate X: 1012794.16	Coordinate Y: 1257648.36
Location: Off-Site (North Center of Site)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 05/07/08	Date Completed: 05/07/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: R. Huson	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	20				CL	Poor recovery Silty CLAY; yellowish brown; no visible impact; medium stiff; no odor; moist; (CL)		
730	5	2 5-10	100					- wood fragments at 5.0' - silt layer, 3.0" thick; wet Silty CLAY; yellowish gray; no visible impact; medium stiff; no odor; moist; (CL)		6.0-7.0'
725	10	3 10-14	100					- soft; wet		
720	15	4 14-18	100					- faint odor from 14.0-`16.0'		
715	20	5 18-22	100				TL	- 2.0" sand - no odor Silty CLAY; gray; no visible impact; very stiff; no odor; damp; (TILL) - 2.0-3.0" sand seam with coal tar-like substance (18.5-19.0') - stiff clay - 6.0" gravel seam with clay - 22.0-23.0' sand and gravel seam; coal tar-like substance, 5.0" wet-saturated; strong odor	0.5 21.6 86.6 10.5 60.1 22.9	22.0-23.0'
710	25	6 22-26	100					- slight odor Silty CLAY with gravel; gray; no visible impact; slight coal tar-like odor; (TILL)	12.6 8.4 6.0	
705	30	7 26-30	100					- slight odor - very faint odor Termination of boring at 30.0' on 5/7/08	1.8 1.7 1.5 1.3	29.0-30.0'
700	35									
695	40									
690	45									
685	50									
680	55									

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-848

Project Name: IP - Champaign Former MGP	Elevation: 736.27'	Datum:
Project Number: 62403053	Coordinate X: 1012858.91	Coordinate Y: 1257602.02
Location: Off-Site (North Center of Site)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 05/07/08	Date Completed: 05/07/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0						FI	No recovery 0.0-2.0'		
								Silty CLAY some brick fragments, gravel, and roots; dark brown; medium stiff; no odor; moist; (FILL)		2.0-3.0'
	5									
730							CL	Silty CLAY; brown grading to light brwon with red and orange mottling; no visible impact; soft; no odor; moist; (CL)	0.3 0.4	
								- very soft; trace sand; moist	0.3 0.4	9.0-10.0'
	10							10.0-12.0' - no recovery		
725								Silty CLAY; light brownish yellow; no visible impact; very soft; no odor; wet; (CL)	0.3	
								- sand from 13.0-14.0'		13.0-14.0'
	15						TL	14.0-16.0' - no recovery		
720								SAND with some silt; light gray; no visible impact; very soft; no odor; wet; (SC)		
								Silty CLAY with gravel; light brownish gray; no visible impact; medium stiff; no odor; moist; (TILL)		
	20							Silty CLAY with gravel; light brownish gray; no visible impact; medium stiff to stiff; no odor; moist; (TILL)	0.0	
715										
								22.0-26.0' - no recovery		
	25									
710								Silty CLAY with gravel; gray; no visible impact; medium stiff; no odor; damp; (TILL)		
	30									
705								Termination of boring at 30.0' on 5/7/08		
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-849

Project Name: IP - Champaign Former MGP	Elevation: 737.29'	Datum:
Project Number: 62403053	Coordinate X: 1012829.64	Coordinate Y: 1257622.86
Location: Off-Site (North Center of Site)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 05/07/08	Date Completed: 05/07/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	47				FI	Silty CLAY with trace roots and gravel; dark brown; no visible impact; medium stiff; no odor; moist; FI		0.0-1.0'
730	5	2 5-10	80				CL	CLAY; light brown; no visible impact; soft; no odor; moist; CL - some orange mottling - medium stiff	0.7	
725	10	3 10-14	75					Sandy CLAY; light brown with orange mottling; no visible impact; very soft; no odor; wet; CL; sand seam at 8.5'	0.6 0.7	9.0-10.0'
720	15	4 14-18	100				TL	Sandy CLAY; light brown; no visible impact; very soft; no odor; wet-saturated Silty CLAY with some gravel; light brown; no visible impact; medium stiff; no odor; moist; TI - slight coal tar-like odor - color grades to gray - coal tar-like substance, 16.0-17.0' - strong odor - strong odor at 18.0'	0.6 0.7 0.6 0.7 1.0 27.2 5.6	16.0-17.0'
715	20	5 18-22	94					Silty CLAY with some gravel; gray; no visible impact; stiff; slight odor; TI 19.0' - SILT; gray; no visible impact; soft; no odor; wet; ML	2.2 1.4	
710	25	6 22-26	94					Silty CLAY with gravel; no visible impact; stiff; no odor; moist; TI - 0.5" sand seam; wet	1.8 0.8 0.6	
705	30	7 26-30	100					Sandy CLAY with some gravel; gray; no visible impact; stiff; no odor; damp; CL - silty CLAY Termiation of boring at 30.0' on 5/7/08	0.7	
700	35									
695	40									
690	45									
685	50									
680	55									

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-850

Project Name: IP - Champaign Former MGP	Elevation: 735.41'	Datum:
Project Number: 62403053	Coordinate X: 1012861.91	Coordinate Y: 1257545.14
Location: Off-Site (North Center of Site)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 05/08/08	Date Completed: 05/08/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	33				FI	No recovery from 0.0-3.0'	0.0	
								Silty CLAY with gravel, concrete fragments, roots and cinders; dark brown; no visible impact; medium stiff; no odor; moist; (FILL)		
730	5	2 5-10	100				CL	CLAY; light greenish brown; no visible impact; soft; no odor; moist; (CL)		
								- 2.0" gravel grading to sandy CLAY, greenish gray; soft; wet		8.0-9.0'
								- trace gravel; slight coal tar-like odor		
725	10	3 10-14	75				TL	- stiff; more gravel (TILL)		
								Silty, sandy CLAY; greenish brown; no visible impact; very soft; slight coal tar-like odor; wet; saturated at 12.0'		
								Silty CLAY with gravel; light brown; slight sheen at 14.0', stiff; moderate coal tar-like odor; damp; (CL)	7.5	
720	15	4 14-18	75					Silty CLAY with gravel; light brown; coal tar-like substance at 14.5'; medium stiff; strong coal tar-like odor; (TILL)	58.0	
								- 4.0" sand lens; coarse; heavily impacted-saturated; very strong odor	32.7	16.0-17.0'
		5 18-22	100					Silty CLAY with gravel; gray; no visible impact; stiff; coal tar-like odor; damp; (TILL)	74.6	
715	20							- 18.5' coal tar-like substance in cracks; strong to moderate odor, hard, moist, gray TILL	22.3	
								- very slight odor	2.0	
		6 22-26	100					Sandy CLAY with gravel; gray; sheen 1.0"; soft; wet	2.8	
710	25							- no visible impact 24.0-26.0'	3.0	
		7 26-30	100					- slight odor	3.3	
								Silty CLAY with gravel; gray; no visible impact; no odor; damp; (TILL)	4.1	
705	30								1.4	25.0-26.0'
								Termination of boring at 30.0' on 5/8/08	1.2	
700	35								0.0	
695	40									
690	45									
685	50									
680	55									

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-851

Project Name: IP - Champaign Former MGP	Elevation: 736.87'	Datum:
Project Number: 62403053	Coordinate X: 1012832.51	Coordinate Y: 1257708.03
Location: Off-Site (Along Washington Street)	Total Depth: 34.00'	Borehole Dia.: 2.00in
Date Started: 05/09/08	Date Completed: 05/09/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: L. Hoosier	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735								0.0-10.0' not logged, used pervious data		
	5									
730										
	10	1 10-14	100				TL	Silty CLAY with gravel; light brown; no visible impact; medium stiff; no odor; damp; (TILL)	0.0	
725								- gray		
	15	2 14-18	100					SIlty CLAY with gravel and sand; gray; no visible impact; stiff; no odor; damp; (TILL)		14.0-16.0'
720										
	20	3 18-22	100							19.0-20.0'
715								- wood fragments		
		4 22-26	100					Silty CLAY with gravel; gray; no visible impact; stiff; no odor; damp; (TILL)		
	25							- medium stiff, moist		
710		5 26-30	100					Silty CLAY with gravel; gray; no visible impact; medium stiff; no odor; moist; (TILL)		
	30	6 30-34	100						0.0	
705								- 3.0" sand seam; coarse; gray; dense; wet		
	35							Silty CLAY with gravel; gray; no visible impact; medium stiff to stiff; no odor; moist; (TILL)		
700								Termination of boring at 34.0 on 5/9/08		
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

RECORD OF SUBSURFACE EXPLORATION

BOREHOLE/MONITORING WELL/PROBEHOLE/TEST PIT ID:

B-852

Project Name: IP - Champaign Former MGP	Elevation: 736.44'	Datum:
Project Number: 62403053	Coordinate X: 1012788.63	Coordinate Y: 1257707.32
Location: Off-Site (Along Washington Street)	Total Depth: 30.00'	Borehole Dia.: 2.00in
Date Started: 05/09/08	Date Completed: 05/09/08	Section/Township/Range:
Consultant: PSC	Drilled By: PSC	
Logged By: R. Huson	Drilling Method: GeoProbe	

Elevation (feet)	Depth (feet)	Sample No. (Depth Interval)	Recovery Percent	Recovery	Graphic Log	Water Level	USCS Code	Material Description	PID/OVM Reading (ppm)	Lab Sample
735	0	1 0-5	75				FT	Topsoil with roots	0.0	
							CL	Silty CLAY; yellowish brown with gray; no visible impact; medium stiff; no odor; moist; (CL)		2.0-3.0'
	5	2 5-10	80					- trace gravel Silty CLAY with gravel; yellowish gray; no visible impact; medium stiff to stiff; no odor; moist; (CL)		
730										9.0-10.0'
	10	3 10-14	100				TL	- yellowish gray - color change to gray (TILL) - very stiff Silty CLAY with sand and gravel; gray; no visible impact; stiff; no odor; moist; (TILL)		
725	15	4 14-18	100							
720								- changes to medium stiff 18.0' - Silty CLAY with gravel and sand; gray; no visible impact; stiff; no odor; moist; (TILL) - sample stuck in tube (fully recovered)		
	20	5 18-22	100							
715		6 22-26	100							23.0-24.0'
	25									
710		7 26-30	100					- stiff - 1.0" moist to wet - moist		
	30								0.0	
705								Termination of boring at 30.0' on 5/9/08		
	35									
700										
	40									
695										
	45									
690										
	50									
685										
	55									
680										

Remarks:

APPENDIX G

Physical Testing Laboratory Data

Tested by: CMB
Computed by: PC
Checked by: CMB

SPECIFIC GRAVITY TEST ASTM D 854

PROJECT NO. 62403053 DATE 05/20/08

FLASK NO.	8	8	8	8
BORING	B-845	B-845	B-851	B-851
SAMPLE NO.	--	--	--	--
DEPTH (feet)	0.5 - 1.0	2.5 - 3.0	14.5 - 15.0	19.5 - 20.0
TARE NO.	24	4	32	4
DRY + TARE, g	154.56	156.02	157.80	159.44
TARE, g	107.95	109.73	108.12	109.73
OVEN DRY SOIL, g	46.61	46.29	49.68	49.71
~~SAMPLE TEMP., °C~~	~~19.5~~	~~18.7~~	~~18.5~~	~~20.0~~
SAMPLE+PYCNOMETER, g	693.09	694.06	696.34	696.13
DRY PYCNOMETER, g	166.10	166.10	166.10	166.10
VOLUME PYCNOMETER, mL	499.40	499.40	499.40	499.40
DENSITY OF WATER @ °C	0.99831	0.99847	0.9985	0.99821
WATER+PYCNOMETER @ °C, g	664.66	664.74	664.75	664.61
SPECIFIC GRAVITY @ °C	2.564	2.728	2.746	2.733
K @ °C	1.0001	1.00026	1.0003	1
SPECIFIC GRAVITY @ 20° C	2.565	2.729	2.747	2.733

POROSITY WORKSHEET CALCULATION

Va = Volume of air
Vw = Volume of water
Vv = Volume of voids
Vd - Volume of dry soil
V = Total volume
Ma = Mass of air (=0)
Mw = Mass of water
Md = Mass of dry soil
M = Total mass

	VOIDS		MASS
VOLUME	Va	AIR	Ma=0
OF VOIDS	Vw	WATER	Mw
	Vd	SOIL	Md
	V	TOTAL	M

JOB NO.:	62403053			
BORING NO.:	B-845			
DEPTH (Feet):	0.5-1.0			
Height	5.332	in.		
Diameter	2.887	in.		
Weight	958.19	gms		
Volume	571.97	cc		
DENSITY WET	104.6	pcf	1.68	g/cc
DENSITY DRY	79.2	pcf	1.27	g/cc
Wet + Tare	155.96	gms		
Dry + Tare	130.67	gms		
Tare	51.86	gms		
MC, %	32.1			

VOIDS (cc)			MASS (gms)
	56.38	AIR	0.00
289.16	232.78	WATER	232.78
	282.81	SOIL	725.41
	571.97	TOTAL	958.19

Specific Gravity = 2.565

Void Ratio (e) = Vv/Vd
= 1.022

Porosity (n) = Vv/V

Total =	0.51	50.6 %
Air Filled =	0.10	9.9 %
Water Filled =	0.41	40.7 %

Porosity values not representative of effective porosity.

Va = Volume of air
Vw = Volume of water
Vv = Volume of voids
Vd - Volume of dry soil
V = Total volume
Ma = Mass of air (=0)
Mw = Mass of water
Md = Mass of dry soil
M = Total mass

	VOIDS		MASS
VOLUME	Va	AIR	Ma=0
OF VOIDS	Vw	WATER	Mw
	Vd	SOIL	Md
	V	TOTAL	M

JOB NO.:	62403053			
BORING NO.:	B-845			
DEPTH (Feet):	2.5-3.0			
Height	3.933	in.		
Diameter	2.865	in.		
Weight	790.04	gms		
Volume	415.49	cc		
DENSITY WET	118.7	pcf	1.90	g/cc
DENSITY DRY	91.4	pcf	1.46	g/cc
Wet + Tare	154.70	gms		
Dry + Tare	130.83	gms		
Tare	50.85	gms		
MC, %	29.8			

VOIDS (cc)			MASS (gms)
	10.95	AIR	0.00
192.54	181.59	WATER	181.59
	222.96	SOIL	608.45
	415.49	TOTAL	790.04

Specific Gravity = 2.729

Void Ratio (e) = Vv/Vd
= 0.864

Porosity (n) = Vv/V

Total	n =	0.46	46.3 %
	Air Filled =	0.03	2.6 %
	Water Filled =	0.44	43.7 %

Porosity values not representative of effective porosity.

POROSITY WORKSHEET CALCULATION

Va = Volume of air
Vw = Volume of water
Vv = Volume of voids
Vd - Volume of dry soil
V = Total volume
Ma = Mass of air (=0)
Mw = Mass of water
Md = Mass of dry soil
M = Total mass

		VOIDS		MASS
VOLUME	Va	AIR	Ma=0
OF VOIDS	Vw	WATER	Mw
	Vd	SOIL	Md
	V	TOTAL	M

JOB NO.:	62403053		VOIDS (cc)	MASS (gms)
BORING NO.:	B-851		4.49 AIR	0.00
DEPTH (Feet):	14.5-15.0	127.02	122.53 WATER	122.53
			376.00 SOIL	1032.86
Height	4.805 in.		503.02 TOTAL	1155.39
Diameter	2.852 in.		Specific Gravity =	2.747
Weight	1155.39 gms			
Volume	503.02 cc		Void Ratio (e) =	Vv/Vd
DENSITY WET	143.4 pcf	2.30 g/cc	=	0.338
DENSITY DRY	128.2 pcf	2.05 g/cc	Porosity (n) = Vv/V	
Wet + Tare	166.52 gms		Total =	0.25 25.3 %
Dry + Tare	155.21 gms		Air Filled =	0.01 0.9 %
Tare	59.87 gms		Water Filled =	0.24 24.4 %
MC, %	11.9			

Porosity values not representative of effective porosity.

Va = Volume of air
Vw = Volume of water
Vv = Volume of voids
Vd - Volume of dry soil
V = Total volume
Ma = Mass of air (=0)
Mw = Mass of water
Md = Mass of dry soil
M = Total mass

		VOIDS		MASS
VOLUME	Va	AIR	Ma=0
OF VOIDS	Vw	WATER	Mw
	Vd	SOIL	Md
	V	TOTAL	M

JOB NO.:	62403053		VOIDS (cc)	MASS (gms)
BORING NO.:	B-851		2.21 AIR	0.00
DEPTH (Feet):	19.5-20.0	119.76	117.56 WATER	117.56
			367.63 SOIL	1004.73
Height	4.633 in.		487.40 TOTAL	1122.29
Diameter	2.859 in.		Specific Gravity =	2.733
Weight	1122.29 gms			
Volume	487.40 cc		Void Ratio (e) =	Vv/Vd
DENSITY WET	143.7 pcf	2.30 g/cc	=	0.326
DENSITY DRY	128.7 pcf	2.06 g/cc	Porosity (n) = Vv/V	
Wet + Tare	165.98 gms		Total n =	0.25 24.6 %
Dry + Tare	155.32 gms		Air Filled =	0.00 0.5 %
Tare	64.21 gms		Water Filled =	0.24 24.1 %
MC, %	11.7			

Porosity values not representative of effective porosity.

PHILIP SERVICES CORPORATION

DENSITY TESTS

Project No. 62403053 Technician CWB Date 05/19/08

BORING NO.	B-845	B-845	B-851	B-851				
SAMPLE NO.	--	--	--	--				
DEPTH	0.5-1.0	2.5-3.0	14.5-15	19.5-20				
JAR NO.	2	2	2	2				
DESCRIPTION	69 V. DK Gr CL Tr Cdrs, Brick Frag FILL	#2 Gr-Br CL 3.933	SC-5 Gr CL w/Sa Tr Gr	4 Gr CL w/Sa Tr Gr				
HEIGHT (inches)	5.332	3.933 CWB	4.805	4.633				
DIAMETER (inches)	2.887	2.865	2.852	2.859				
WEIGHT (grams)	958.19	790.04	1155.39	1122.29				
K								
DENSITY WET	104.6	118.7	143.4	143.7				
DENSITY DRY	79.2	91.4	128.2	128.7				
PR								
MOISTURE CONTENT								
TARE NO.	16	12	10	2				
WET WEIGHT + TARE	155.96	154.70	166.52	165.98				
DRY WEIGHT + TARE	130.67	130.83	155.21	155.32				
WATER								
TARE	51.86	50.85	59.87	64.21				
SOIL								
% WATER	32.1	29.8	11.9	11.7				

Computed By PC

Checked By CWB

PHILIP ENVIRONMENTAL

SPECIFIC GRAVITY TEST

Project No. 62403053 Date 05/20/08

Flask No.	8=166.10	8	8	8		
Boring	B-845	B-845	B-851	B-851		
Depth	0.5-1.0	2.5-3.0	14.5-15	19.5-20		
Material						
T_x/K	19.5°C	18.7°C	18.5°C	20.0°C		
Container No.	24	4	32	4		
W_o + Tare	154.56	156.02	157.80	159.44		
Tare	107.95	109.73	108.12	109.73		
W_o						
W_a						
$W_o + W_a$						
W_b	693.09	694.06	696.34	696.13		
$W_o + (W_a - W_b)$						
G_s (Uncorrected)						
G_s, $\frac{T_x}{20C}$ (Corrected)	2.565	2.729	2.747	2.733		

T_x = Temperature of contents of Volumetric Flask when W_b was determined in °C
W_o = Weight of sample of oven-dry soil in grams
W_a = Weight of Volumetric Flask filled with water at T_x
W_b = Weight of Volumetric Flask filled with water and soil at T_x
K = Correction Factor for water at T_x

Tested by: CMB
Computed by: PC
Checked by: CWD

PHILIP ENVIRONMENTAL