PHASE II SURFICIAL SOIL INVESTIGATION

OAKLAND HEIGHTS
2012 E. 25TH STREET
KANSAS CITY, MISSOURI

PREPARED FOR

McCORMACK BARON SALAZAR
720 OLIVE STREET
SUITE 2500
ST. LOUIS, MISSOURI 63101

RIVERFRONT PROJECT NO. 5938-04

February 10, 2011

ENVIRONMENTAL CONSULTANTS

Phase I & II ESA—
Due Diligence

Brownfields
Redevelopment

Environmental Risk
Assessment

Underground Storage Tank
Management

Subsurface
Investigation/Remediation

Mold Inspection/
Remediation Oversight

Asbestos, Lead-Based
Paint Inspection

Remediation Oversight

CERCLA / RCRA

and more…

RIVERFRONT ENVIRONMENTAL
1139 Olive Street, Ste. 300— Saint Louis, MO 63101
ph 314-436-9492 — fx 314-436-9733
RiverfrontEnvironmental.com

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1.0 INTRODUCTION

Riverfront Environmental (Riverfront) conducted surficial soil sampling of the Oakland Heights housing development headquartered at 2012 E. 25th Street in Kansas City, Missouri (Site). A Phase I Environmental Site Assessment (ESA) performed in December 2010 identified a previously resolved/historical recognized environmental condition specific to surficial soil conditions.

- A Restrictive Covenant has been imposed on the Quality Heights II portion of the Site in relation to the presence of lead impacted soils. Corrective action in the form of selective excavation and capping of impacted soils occurred in 1997. Since that time, no active management activities have apparently been taking place specific to the Restrictive Covenant requirements. There is a potential for erosion to have occurred and the possibility lead contaminated soils have migrated to the surface. It was presumed that lead-impacted surficial soils also exist on the Quality Heights I portion of the Site as no investigations or corrective action activities took place in these areas of the Site.

1.1 Project Objective

The purpose of the investigation was as follows:

- Identify lead concentrations in areas that will be disturbed during planned redevelopment activities.
- Provide a general characterization of lead concentrations in areas of the Site not previously sampled, specifically Quality Heights I, single-family residences.
- Identify and sample bare soil for presence of lead in all areas of the property grounds including both Quality Heights I and II.

In addition, Riverfront collected polycyclic aromatic hydrocarbon (PAH) samples from selected locations throughout the Site related to the presence of fill materials encountered during subsurface investigations.

The sampling strategy for areas of planned redevelopment where soils are anticipated to be disturbed was based upon the currently available redevelopment plans. It is understood that specific landscaping plans are not yet available, and it was presumed that landscaping will focus primarily on the building frontage areas. All work was performed in accordance with applicable Missouri Department of Natural Resources (MDNR) Risk-Based Corrective Action (MRBCA) guidelines.

1.2 Site Description and History

The property is currently occupied by Quality Heights I and II – a residential housing development which consists of 40 single-family homes constructed in 1988 (Quality Heights I) and 34 town homes constructed in 1997 with a total of 108 units (Quality Heights II). The property is approximately 24 acres in size. Regulatory records indicate that a portion of the Site (Quality Heights II) had been enrolled in the Voluntary Cleanup Program (VCP) with the Missouri Department of Natural Resources (MNDR). Review of the regulatory files identified lead contaminated soil and TPH contaminated soil encountered on the Site. The Site underwent corrective action in the late 1990s. This included the selective excavation of lead-impacted soil in Lots 1 and 2, aggressive clearance sampling of Lots 3 and 4E, and an 18-inch clean soil cap on Lot 4W of Quality Heights II (see figure 1). No investigations or corrective

action was performed on the Quality Heights I portion of the Site as part of the prior VCP activities. A subsurface investigation assessing potential impacts from lead and TPH contamination, as well as potential impacts from other sources including former dry cleaner facilities, and an auto repair facility, is provided under separate cover.

The Site, including both the Quality Heights I and II areas, will undergo rehabilitation to include, but not necessarily limited to, the following:

- The interior of the buildings will be renovated to include replacement of interior finishing materials, mechanical systems and roofing materials.
- General upgrades to the property grounds will occur that will disturb the surficial soils including selective surface grading to improve surface drainage; installation of surface drain systems; replacement of certain retaining wall systems; and general landscaping activities to include reseeding/resodding and selective bush/shrubbery replacement. The landscaping will focus primarily on building frontage areas.

2.0 SURFICIAL SOIL INVESTIGATION

2.1 Soil Data Collection Procedures

Quality Heights I and Bare Soil Areas Throughout

Using hand auger equipment and hand tools where appropriate, Riverfront collected shallow surface soil samples composited from samples at depths ranging to 1-2 inches bgs and approximately 12 inches below ground surface (bgs).

- Samples were collected from each side of each single-family home, composited from 2 depth intervals: 1-2 inches bgs and 12-inches bgs (160 samples) by taking a representative volume of soil from each sampling interval and co-mingling the soils. A map of the sample locations and sample log is included in Appendix A.

- Surface grab samples were collected from bare soil areas throughout Quality Heights I and II (69 samples) at depths of 1-2 inches bgs. A map of the sample locations and a sample log is included as Appendix B.

Planned Redevelopment Areas

According to redevelopment plans provided to Riverfront, specifically grading and civil drawings, the following disturbances to the subsurface in areas of potential lead impacted soils are expected to occur throughout various areas of the Site, including both Quality Heights I and II:

- Installation of approximately 850 linear feet of retaining wall systems in various areas of the Site, presumably requiring excavation depths to 24-30 inches bgs.

  Composited soil samples were collected every 25 feet along each area of planned retaining wall installation. Samples were collected from 2-3 depth intervals (depending on the retaining wall height) and composited from depths of 1-2 inches bgs, approximately 12 inches bgs (depending on the retaining wall height), and from the base of the retaining walls (12-30 inches) (34 samples) by taking a representative volume of

soil from each sampling interval and co- mingling the soils. A map of the sam ple locations and a sample log is provided in Appendix C.

- Surface grading in approximately 40 different ar eas of the Site, t otaling approximately 12,000 square feet of disturbance to surface. Presumably requiring excavation depths of approximately 12 inches bgs.

  For surface grading areas, soil samples were collected on grid s ystems, (approximately one every 25 feet/one every 625 sq.ft.) in each area of planned surface grading area and composited from 2 depth intervals: 1-2 in ches bgs and approximately 12 inches bgs by taking a representative volume of soil from each sampling interval and co- mingling the soils. A minimum of two samples were collected in each planned grading area.

- Installation of approximately 500 linear feet of stormwater drains in various areas of the Site, presumably requiring excavation to depths of 12-24 inches bgs.

  Soil samples were collected every 25 feet along each area of planned stormwater drain installation and composited from 3 depth intervals: 1-2 inches bgs, 12 inches bgs and 24 inches bgs by taking a representative volume of soil from each sampling interval and co-mingling the soils. A map of the sam ple locations and a sam ple log is provided in Appendix D.

- Installation of approximately 40 linear feet of concrete sidewalk, (4-foot wide).

  Soil samples were collected every 25 feet along the planned sidewalk installation located at the southwest corner of the form er day care at 2445 Michigan Ave. and composited from two depth intervals at depths of 1-2 inches bgs and approximately 12 inches bgs (3 samples) by taking a representative volume of soil from each sampling interval and co-mingling the soils. A description of th e results of the sidewalk samples is provided in Section 3.0. A sample log is included in Appendix E.

The soil samples were analyzed for total lead (6010B/6020).

Select near surface soil samples collected throughout the Site were also analyzed for polynuclear aromatic compounds (PAHs) (8270b) during the above described sampling activities at depths ranging from 1-2 inches to 12 inches bgs. PAH analysis of soils was performed based on the presence of miscellaneous fill materials in the subsurface which included sand, cinders, ash, glass, etc. A total of 22 PAH samples were collected from random locations throughout the Site. A map and sample log showing sample locations is included as Appendix B.

Soil samples that were considered for laboratory analysis were placed immediately in clean glass jars or vials, as applicable, and kept cold prior to submittal for laboratory analysis. Chain-of-custody procedures were followed during sample transfer activities.

3.0 LABORATORY RESULTS

Laboratory results from the lead and PAH sampling of surficial soils is included in Appendix F. Sample logs with sample locations and results from each respective sampling area (Quality Heights I, Bare Soil, Retaining Walls, Surface Grading/Storm water Drainage, and Sidewalk Installation) are included in Appendices A through E, respectively. The laboratory results were compared to Missouri Risk-Based Corrective Action (MRBCA) Tier 1 Risk Based Target Levels (RBTL) for Residential Properties, Type 1 soils-Departmental Guidelines. Under MRBCA, indoor inhalation of vapor emissions is not considered a pathway for surficial soils. Lead target levels were based on the Ingestion, Inhalation (Vapor Emissions and Particulates) and Dermal Contact pathway, which is considered a comprehensive summary of applicable routes of exposure. . Specifically, the RBTL value of 260 ppm of lead in soil was considered the value for which soil samples were compared. The 260ppm level is the commonly accepted residential standard acknowledged by the MDNR.

PAH results were compared to the MRBCA Departmental Guidelines Tier 1 RBTLs for Residential properties, Type 1 surficial (0-3 feet bgs) and Default Target Levels (DTLs), Ingestion, Inhalation (Vapor Emissions and Particulates) and Dermal Contact pathway. DTLs are considered the most conservative action levels that assume residential use and that groundwater is used for domestic drinking water. Based on the use of public supplied drinking water, this pathway is not considered complete. The Tier 1 RBTL Ingestion/Inhalation/Dermal Contact Pathway is considered the applicable criteria for this site. The table of results included in Appendix B is color coded to represent each respective pathway where values exceeded.

3.1 Quality Heights I: Single-Family Home Perimeter Sampling

Laboratory analysis for lead in surficial soils from areas around the single family residences in Quality Heights I yielded levels of lead predominantly above the Tier 1 RBTL (greater than 260 ppm) in 134 of the 160 samples collected. Levels across the Quality Heights I development ranged from 58 ppm to 10,000 ppm. Of the 134 samples which exceeded the 260 ppm RBTL:

- 62 samples ranged from 261 ppm to 500 ppm
- 56 samples ranged from 501 ppm to 1000 ppm
- 14 samples ranged from 1001 ppm to 5,000 ppm
- 2 samples ranged from 5,001 ppm to 10,000 ppm

Based on observations, there does not appear to be a correlation between the most elevated levels and certain areas/city blocks throughout the development, suggesting the distribution of elevated lead contamination has been randomly identified throughout the Site. A map and sample log showing the sample locations is provided in Appendix A. There is no risk based target level within the technical guidance related to the Construction Worker pathway. The most similar comparison may be made to the RBTL for soil up to depth of construction, per MRBCA Tanks Guidance, which is 660 ppm. Of the 160 samples collected from the single family home perimeter sampling, 37 of 160 exceeded 660 ppm.

3.2 Quality Heights I and II: Bare Soil Areas

Areas were determined to exhibit "bare soil" if greater than 25 SF of an area was void of vegetation, and did not include areas which were intentionally absent of surface vegetation for ornamental landscaping which have been covered with mulch or other plantings. Laboratory analysis determined 25 of the 69 samples collected from bare soils were above the Tier 1 RBTL of 260 ppm, all of which were collected

from the Quality Heights I portion of the Site. No bare soil samples collected from areas of the Quality Heights II (approximately 33 samples) exceeded the Tier 1 RBTL. A map and sample log showing the sample locations is provided in Appendix B. Of the 69 samples collected from the bare soil areas, 4 exceeded the 660 ppm construction worker RBTL based on Tanks guidance.

3.3 Quality Heights I and II: Planned Redevelopment Areas

3.3.1 Retaining Walls

Laboratory analysis from planned retaining walls areas which will presumably require shallow excavation yielded levels of lead in soils that exceeded the Tier 1 RBTL in 24 of the 34 samples collected. Results yielded a similar pattern to the bare soil areas, whereas lead levels above the Tier 1 RBTL were isolated to retaining walls associated with the Quality Heights I/single family residences portion of the Site. A total of 8 samples were collected from retaining wall areas on the Quality Heights II/town homes portion of the Site, all of which yielded lead levels below the Tier 1 RBTL of 260 ppm. A map and sample log showing the sample locations is provided in Appendix C. Of the 34 samples collected from the retaining wall areas, 8 exceeded the 660 ppm construction worker RBTL based on Tanks guidance.

3.3.2 Surface Grading and Stormwater Drains

Samples of soil in areas of proposed surface grading were collected in conjunction with areas of planned stormwater drain installation. Laboratory analysis from these areas yielded lead levels above the Tier 1 RBTL in 21 of the 56 samples collected. With the exception of one sample (SSPDSG014) located east of 2034 E. 24th Terrace, which yielded a result of 665 ppm for lead, the lead impacted soils appear to be isolated to areas of Quality Heights I as 33 of the 34 samples collected from Quality Heights II were below the Tier I RBTL. Conversely, 19 of the 22 samples collected from Quality Heights I exceeded the Tier I RBTL. Of the 56 samples collected from the surface grading and storm water drain areas, 2 exceeded the 660 ppm construction worker RBTL based on Tanks guidance.

3.3.3 Sidewalk Installation

Samples from the planned sidewalk installation on the SW side of the former day-care at 2445 Michigan Ave. were collected every 25 feet. A sample log is included as Appendix E. None of the three samples exceeded the Tier I RBTL.

3.4 PAH Sampling

Sample results from PAH analysis of surficial soils from areas of Quality Heights I and bare soil areas from Quality Heights I and II are summarized in Appendix B. A total of 22 locations were sampled and chemicals identified above exposure pathways including ingestion, dermal contact, and inhalation (vapor emissions and particulates) included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenzo(a,h)anthracene. The following summarizes the results of the PAH sampling from 22 locations:

- Benzo(a)anthracene was identified in:
  - 7 samples above the DTL
  - 2 samples above the Inhalation (Vapor Emissions and Particulates) pathway RBTL

- Benzo(a)pyrene was identified in:
  - 19 samples above the DTL
  - 14 samples above the Inhalation (Vapor Emissions and Particulates) pathway RBTL

- Benzo(b)fluoranthene was identified in:
  - 8 samples above the DTL
  - 4 samples above the Inhalation (Vapor Emissions and Particulates) pathway RBTL

- Dibenzo(a,h)anthracene was identified in:
  - 15 samples above the DTL
  - 6 samples above the Inhalation (Vapor Emissions and Particulates) pathway RBTL

The PAHs detected are likely the product of miscellaneous fill materials in the soils, including cinders, ash, etc. The most significant impact to soils appears to be from Benzo(a)pyrene. This chemical results from burning plants, wood, coal, and operating cars, trucks and other vehicles. Benzo(a) anthracene is formed when gasoline, garbage, or any animal or plant material burns, it is usually found in smoke and soot. Benzo[b]fluoranthene is formed during the incomplete burning of fossil fuel, garbage, or organic matter. Dibenzo(a,h)anthracene's release to the environment is quite general since it is a ubiquitous product of incomplete combustion. It is largely associated with particulate matter, soils, and sediments.

Similar to the distribution of lead impacted soils at the Site, PAH contamination appears to be concentrated in the surficial soils of Quality Heights I. Six samples for PAHs were collected in the Quality Heights II development, five of which were below the Ingestion (Vapor Emissions and Particulates) pathway (the lowest RBTL value following the DTL). The exception, collected from Sample SSBS031, was located in Quality Heights II to the west of 2046 E. 24th Terrace. Conversely, only 3 of the 16 PAH samples for Quality Heights I were below the Ingestion (Vapor Emissions and Particulates) pathway.

4.0 QUALITY ASSURANCE/ QUALITY CONTROL

The following describes activities that were performed during the subsurface investigation to ensure quality assurance/quality control (QA/QC).

4.1 Field Equipment

The field equipment that was used during the monitoring event is as follows:

a. Stainless Steel Hand Auger and Stainless Steel Hand Tools.

The sample tools were decontaminated prior to each sample location by wiping the materials clean of debris using an alconox wash.

4.2 Sample Handling and Preservation

Exposure to the ambient air during sampling of PAHs was minimized. The sample jars were labeled as necessary and placed in a cooler with ice.

4.3 Laboratory QA/QC

The laboratory prepared and reported the findings of appropriate control samples in accordance with U.S. EPA SW-846 guidelines for the given analytical parameters. No qualifications related to the PAH data were identified.

5.0 CONCLUSIONS

The purpose of the investigation was to assess the presence of lead impacted surficial soils in areas of Quality Heights I which was not addressed in the corrective actions associated with the enrollment of the Quality Heights II development into the Voluntary Cleanup Program, as well as bare soil areas, and areas of planned redevelopment. In addition, PAH sampling of surficial soils from both Quality Heights I and II developments was performed to determine the presence of PAH levels exceeding applicable Risk Based Target Levels in areas that had been addressed during previous corrective action efforts (Quality Heights II) as well as areas that had no corrective action performed (Quality Heights I).

The results of this investigation have confirmed lead impacted soils above the Tier 1 Risk Based Target Levels (RBTL) for Residential Properties, Type 1 soils are found throughout areas of Quality Heights I. The extent of lead impacted soils appears to encompass the entire Quality Heights I development. Conversely, surficial soils in the Quality Heights II development did not reveal levels of lead in soil above the Tier 1 RBTL in most areas, with 75 of 76 samples collected in various targeted areas below the Tier 1 RBTL. These findings support the historical research at the Site, which identified the remediation and capping of impacted soils in the Quality Heights II development, with no actions performed in the areas of the Quality Heights I single family residences.

Polycyclic Aromatic Hydrocarbon (PAH) samples from areas throughout the development have as well shown a concentrated presence in surficial soils on within the Quality Heights I single family residential portion of the Site, with less evidence of their presence in surficial soils on the Quality Heights II development. In areas of PAH impact, levels generally exceeded the Tier I RBTL for Ingestion (Vapor Emissions and Particulates) of benzo(a)pyrene, with lesser exceedances of benzo(a)anthracene, benzo(b)fluoranthene, and dibenzo(a,h)anthracene.

The presence of lead and PAH within soils at the Site are considered typical of levels found within developed urban areas. These elevated levels are presumably associated with anthropogenic (man-made) sources, perhaps a cumulative effect stemming from past industrial activities, emissions from lead-gasoline fueled vehicles, and presence of miscellaneous fill material containing cinders and possibly other building materials versus the result of a historical release at the Site. Similar lead and PAH levels were also found on the south adjoining property during past investigative work performed as part of MDNR-VCP activities.

6.0 RECOMMENDATIONS

Based on the results of this investigation, the following recommendations are provided:

- *Riverfront recommends the Quality Heights I portion of the Site be enrolled into the Missouri Brownfields/Voluntary Cleanup Program (BVCP). The goal of the enrollment into the BVCP is to achieve a "regulatory closure" status.*

- *Corrective action will be required to address the presence of lead impacted soils at the Site in order to protect human health. Riverfront recommends developing a Corrective Action Plan that includes soils handling and management plan to be used during construction activities, subject to the approval of the BVCP, which will effectively address the presence of lead contamination. The most common, cost effective and readily available means for achieving regulatory closure under these conditions is placement of a "cap" over the lead-impacted soil. Based on the depth and expansiveness of lead contamination, complete excavation of soils is not considered a reasonably feasible option for remediation; however the excavation of soils around residences and surface improvements (parking spaces, sidewalks, etc) will likely be required to facilitate the placement of the soil cap, anticipated to be 12 inches in depth.*

- *Riverfront anticipates soils that are excavated as part of the corrective action will be required to be disposed of offsite as special waste. Eligibility of off-site disposal as special waste is subject to laboratory analysis for TCLP-analysis. The relocation of excavated soils to other areas of the Site to decrease the quantities of offsite disposal should also be evaluated in order to reduce or eliminate off-site disposal costs.*

- *An Operations and Management Plan should be developed for the Quality Heights I and II upon completion of corrective action activities to effectively manage the cap and to address lead-impacted soil that will remain beneath the cap. The existing Operations and Maintenance Plan for Quality Heights II has not been recovered during this investigation. As such, a comprehensive O&M Plan will be developed for management of the entire Site.*

6.0 LIMITATIONS

This report is intended solely for the use of MHDC , McCormack, Baron, Salazar, Inc. and Slosky and Associates (Users). No other party may rely on the information presented herein without the written permission of the Users and Riverfront Environmental. The information and conclusions presented were gathered and developed from limited intrusive investigations in accordance with the specified scope of work. The opinions and conclusions provided reflect conditions known or suspected at the specific location and particular time designated and is not intended to be an all-inclusive, exhaustive investigation of environmental or geotechnical issues. No investigation can entirely identify and characterize all subsurface conditions at a particular location.

This investigation is intended to reduce, but not eliminate, uncertainty regarding the subsurface conditions associated with the Site for the specific time period in which the investigations were performed. The validity or degree of reliability of the conclusions presented herein may be affected by the passage of time and/or seasonal variations. Physical changes in the site conditions over time including, but not necessarily limited to, surface and subsurface conditions , may affect the conclusions presented herein. Also, changes in laws and regulations applicable to the Site may render the findings and conclusions invalid.

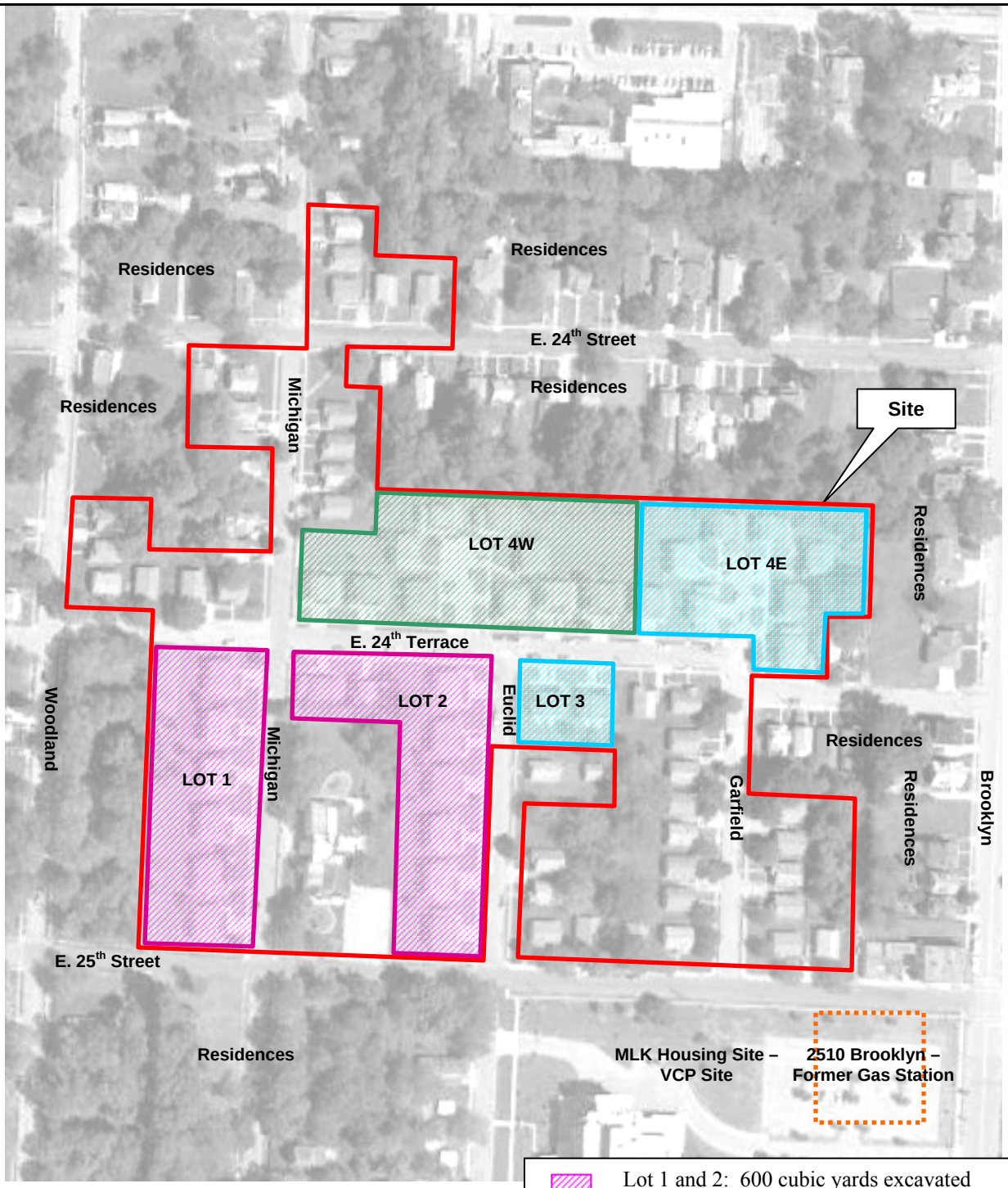
This investigation has been performed in accordance with generally accepted environmental industry principles and practices. This warranty is in lieu of all other warranties, either expressed or implied.

February 10, 2011

Craig Cox, R.G
Project Manager

Date

FIGURES



Lot 1 and 2: 600 cubic yards excavated

Lots 3 and 4E: Underwent aggressive clearance sampling after construction

Lot 4W: 18-inch clean soil cap

N

RIVERFRONT ENVIRONMENTAL
1139 Olive, Ste. 300 - St. Louis, MO 63101
Ph. 314-436-9492 – Fx. 314-436-9733

Date: 2/4/2011	Project No: 5938-03	Scale:1"~375'	Drawn by: TS

Oakland Heights
Kansas City, Missouri 64127

Figure 1. Site Sketch – VCP Areas

APPENDIX A

QUALITY HEIGHTS I SURFICIAL LEAD SAMPLE LOG AND SITE MAP

QUALITY HEIGHTS I LEAD SAMPLE LOCATIONS-SURFICIAL SOIL

LEGEND: (ALL VALUES COMPARED TO RESIDENTIAL TIER 1 TYPE 1 SOILS)

- -LEAD LEVELS BELOW TIER 1 RBTL
- -LEAD LEVELS ABOVE TIER 1 RBTL

Sample Log

Client: McCormack Baron Salazar **Date:** 1/25/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Suficial Sampling

Sample No. (Budgeted 160 samples)	Description	Grab/ Composite	Composite Depths	Location		Date Collected	Lab Results mg/kg	MRBCA Tier 1 RBTLs Soil Type I Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact
SSQH001	Quality Heights I	Composite	1-2 and 12 inches	2106 E. 25th Street	South	1/4-1/6/11	320	2.60E+02
SSQH002	Quality Heights I	Composite	1-2 and 12 inches	2106 E. 25th Street	East	1/4-1/6/11	1100	2.60E+02
SSQH003	Quality Heights I	Composite	1-2 and 12 inches	2106 E. 25th Street	North	1/4-1/6/11	540	2.60E+02
SSQH004	Quality Heights I	Composite	1-2 and 12 inches	2106 E. 25th Street	Westest	1/4-1/6/11	620	2.60E+02
SSQH005	Quality Heights I	Composite	1-2 and 12 inches	2100 E. 25th Street	South	1/4-1/6/11	500	2.60E+02
SSQH006	Quality Heights I	Composite	1-2 and 12 inches	2100 E. 25th Street	East	1/4-1/6/11	380	2.60E+02
SSQH007	Quality Heights I	Composite	1-2 and 12 inches	2100 E. 25th Street	North	1/4-1/6/11	380	2.60E+02
SSQH008	Quality Heights I	Composite	1-2 and 12 inches	2100 E. 25th Street	Westest	1/4-1/6/11	580	2.60E+02
SSQH009	Quality Heights I	Composite	1-2 and 12 inches	2457 Garfield	Westest	1/4-1/6/11	1100	2.60E+02
SSQH010	Quality Heights I	Composite	1-2 and 12 inches	2457 Garfield	South	1/4-1/6/11	1100	2.60E+02
SSQH011	Quality Heights I	Composite	1-2 and 12 inches	2457 Garfield	East	1/4-1/6/11	1100	2.60E+02
SSQH012	Quality Heights I	Composite	1-2 and 12 inches	2457 Garfield	North	1/4-1/6/11	530	2.60E+02
SSQH013	Quality Heights I	Composite	1-2 and 12 inches	2453 Garfield	South	1/4-1/6/11	850	2.60E+02
SSQH014	Quality Heights I	Composite	1-2 and 12 inches	2453 Garfield	East	1/4-1/6/11	2100	2.60E+02
SSQH015	Quality Heights I	Composite	1-2 and 12 inches	2453 Garfield	North	1/4-1/6/11	1100	2.60E+02
SSQH016	Quality Heights I	Composite	1-2 and 12 inches	2453 Garfield	Westest	1/4-1/6/11	920	2.60E+02
SSQH017	Quality Heights I	Composite	1-2 and 12 inches	2449 Garfield	Westest	1/4-1/6/11	980	2.60E+02
SSQH018	Quality Heights I	Composite	1-2 and 12 inches	2449 Garfield	South	1/4-1/6/11	690	2.60E+02
SSQH019	Quality Heights I	Composite	1-2 and 12 inches	2449 Garfield	East	1/4-1/6/11	760	2.60E+02
SSQH020	Quality Heights I	Composite	1-2 and 12 inches	2449 Garfield	North	1/4-1/6/11	820	2.60E+02

1139 Olive St., Ste. 300 - St. Louis, MO 63101
Ph. 314-436-9492 - Fx. 314-436-9733

Sample Log

Client: McCormack Baron Salazar **Date:** 1/25/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Suficial Sampling

Sample No. (Budgeted 160 samples)	Description	Grab/ Composite	Composite Depths	Location		Date Collected	Lab Results mg/kg	MRBCA Tier 1 RBTLs Soil Type I Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact
SSQH021	Quality Heights I	Composite	1-2 and 12 inches	2445 Garfield	Westest	1/4-1/6/11	840	2.60E+02
SSQH022	Quality Heights I	Composite	1-2 and 12 inches	2445 Garfield	South	1/4-1/6/11	670	2.60E+02
SSQH023	Quality Heights I	Composite	1-2 and 12 inches	2445 Garfield	East	1/4-1/6/11	450	2.60E+02
SSQH024	Quality Heights I	Composite	1-2 and 12 inches	2445 Garfield	North	1/4-1/6/11	660	2.60E+02
SSQH025	Quality Heights I	Composite	1-2 and 12 inches	2456 Garfield	East	1/4-1/6/11	760	2.60E+02
SSQH026	Quality Heights I	Composite	1-2 and 12 inches	2456 Garfield	North	1/4-1/6/11	570	2.60E+02
SSQH027	Quality Heights I	Composite	1-2 and 12 inches	2456 Garfield	West	1/4-1/6/11	570	2.60E+02
SSQH028	Quality Heights I	Composite	1-2 and 12 inches	2456 Garfield	South	1/4-1/6/11	550	2.60E+02
SSQH029	Quality Heights I	Composite	1-2 and 12 inches	2440 Garfield	North	1/4-1/6/11	500	2.60E+02
SSQH030	Quality Heights I	Composite	1-2 and 12 inches	2440 Garfield	West	1/4-1/6/11	240	2.60E+02
SSQH031	Quality Heights I	Composite	1-2 and 12 inches	2440 Garfield	South	1/4-1/6/11	400	2.60E+02
SSQH032	Quality Heights I	Composite	1-2 and 12 inches	2440 Garfield	East	1/4-1/6/11	660	2.60E+02
SSQH033	Quality Heights I	Composite	1-2 and 12 inches	2444 Garfield	East	1/4-1/6/11	640	2.60E+02
SSQH034	Quality Heights I	Composite	1-2 and 12 inches	2444 Garfield	North	1/4-1/6/11	450	2.60E+02
SSQH035	Quality Heights I	Composite	1-2 and 12 inches	2444 Garfield	West	1/4-1/6/11	300	2.60E+02
SSQH036	Quality Heights I	Composite	1-2 and 12 inches	2444 Garfield	South	1/4-1/6/11	550	2.60E+02
SSQH037	Quality Heights I	Composite	1-2 and 12 inches	2448 Garfield	North	1/4-1/6/11	590	2.60E+02
SSQH038	Quality Heights I	Composite	1-2 and 12 inches	2448 Garfield	West	1/4-1/6/11	390	2.60E+02
SSQH039	Quality Heights I	Composite	1-2 and 12 inches	2448 Garfield	South	1/4-1/6/11	570	2.60E+02
SSQH040	Quality Heights I	Composite	1-2 and 12 inches	2448 Garfield	East	1/4-1/6/11	460	2.60E+02

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RIVERFRONT ENVIRONMENTAL

Sample Log

Client: McCormack Baron Salazar **Date:** 1/25/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Suficial Sampling

Sample No. (Budgeted 160 samples)	Description	Grab/ Composite	Composite Depths	Location		Date Collected	Lab Results mg/kg	MRBCA Tier 1 RBTLs Soil Type I Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact
SSQH041	Quality Heights I	Composite	1-2 and 12 inches	2452 Garfield	East	1/4-1/6/11	340	2.60E+02
SSQH042	Quality Heights I	Composite	1-2 and 12 inches	2452 Garfield	North	1/4-1/6/11	440	2.60E+02
SSQH043	Quality Heights I	Composite	1-2 and 12 inches	2452 Garfield	West	1/4-1/6/11	200	2.60E+02
SSQH044	Quality Heights I	Composite	1-2 and 12 inches	2452 Garfield	South	1/4-1/6/11	370	2.60E+02
SSQH045	Quality Heights I	Composite	1-2 and 12 inches	2456 Garfield	North	1/4-1/6/11	450	2.60E+02
SSQH046	Quality Heights I	Composite	1-2 and 12 inches	2456 Garfield	West	1/4-1/6/11	310	2.60E+02
SSQH047	Quality Heights I	Composite	1-2 and 12 inches	2456 Euclid	South	1/4-1/6/11	670	2.60E+02
SSQH048	Quality Heights I	Composite	1-2 and 12 inches	2456 Euclid	East	1/4-1/6/11	740	2.60E+02
SSQH049	Quality Heights I	Composite	1-2 and 12 inches	2018 E. 25th Street	South	1/4-1/6/11	430	2.60E+02
SSQH050	Quality Heights I	Composite	1-2 and 12 inches	2018 E. 25th Street	East	1/4-1/6/11	640	2.60E+02
SSQH051	Quality Heights I	Composite	1-2 and 12 inches	2018 E. 25th Street	North	1/4-1/6/11	890	2.60E+02
SSQH052	Quality Heights I	Composite	1-2 and 12 inches	2018 E. 25th Street	West	1/4-1/6/11	380	2.60E+02
SSQH053	Quality Heights I	Composite	1-2 and 12 inches	2012 E. 25th Street	East	1/4-1/6/11	430	2.60E+02
SSQH054	Quality Heights I	Composite	1-2 and 12 inches	2012 E. 25th Street	North	1/4-1/6/11	260	2.60E+02
SSQH055	Quality Heights I	Composite	1-2 and 12 inches	2012 E. 25th Street	West	1/4-1/6/11	340	2.60E+02
SSQH056	Quality Heights I	Composite	1-2 and 12 inches	2012 E. 25th Street	South	1/4-1/6/11	240	2.60E+02
SSQH057	Quality Heights I	Composite	1-2 and 12 inches	2006 E. 25th Street	South	1/4-1/6/11	280	2.60E+02
SSQH058	Quality Heights I	Composite	1-2 and 12 inches	2006 E. 25th Street	East	1/4-1/6/11	310	2.60E+02
SSQH059	Quality Heights I	Composite	1-2 and 12 inches	2006 E. 25th Street	North	1/4-1/6/11	5400	2.60E+02
SSQH060	Quality Heights I	Composite	1-2 and 12 inches	2006 E. 25th Street	West	1/4-1/6/11	360	2.60E+02

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Sample Log

Client: McCormack Baron Salazar **Date:** 1/25/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Suficial Sampling

Sample No. (Budgeted 160 samples)	Description	Grab/ Composite	Composite Depths	Location		Date Collected	Lab Results mg/kg	MRBCA Tier 1 RBTLs Soil Type I Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact
SSQH061	Quality Heights I	Composite	1-2 and 12 inches	2000 E. 25th Street	East	1/4-1/6/11	290	2.60E+02
SSQH062	Quality Heights I	Composite	1-2 and 12 inches	2000 E. 25th Street	North	1/4-1/6/11	440	2.60E+02
SSQH063	Quality Heights I	Composite	1-2 and 12 inches	2000 E. 25th Street	West	1/4-1/6/11	540	2.60E+02
SSQH064	Quality Heights I	Composite	1-2 and 12 inches	2000 E. 25th Street	South	1/4-1/6/11	4000	2.60E+02
SSQH065	Quality Heights I	Composite	1-2 and 12 inches	2451 Euclid	West	1/4-1/6/11	460	2.60E+02
SSQH066	Quality Heights I	Composite	1-2 and 12 inches	2451 Euclid	South	1/4-1/6/11	590	2.60E+02
SSQH067	Quality Heights I	Composite	1-2 and 12 inches	2451 Euclid	East	1/4-1/6/11	580	2.60E+02
SSQH068	Quality Heights I	Composite	1-2 and 12 inches	2451 Euclid	North	1/4-1/6/11	180	2.60E+02
SSQH069	Quality Heights I	Composite	1-2 and 12 inches	2449 Euclid	South	1/4-1/6/11	500	2.60E+02
SSQH070	Quality Heights I	Composite	1-2 and 12 inches	2449 Euclid	East	1/4-1/6/11	390	2.60E+02
SSQH071	Quality Heights I	Composite	1-2 and 12 inches	2449 Euclid	North	1/4-1/6/11	330	2.60E+02
SSQH072	Quality Heights I	Composite	1-2 and 12 inches	2449 Euclid	West	1/4-1/6/11	360	2.60E+02
SSQH073	Quality Heights I	Composite	1-2 and 12 inches	2419 Woodland	West	1/4-1/6/11	560	2.60E+02
SSQH074	Quality Heights I	Composite	1-2 and 12 inches	2419 Woodland	North	1/4-1/6/11	3400	2.60E+02
SSQH075	Quality Heights I	Composite	1-2 and 12 inches	2419 Woodland	East	1/4-1/6/11	93	2.60E+02
SSQH076	Quality Heights I	Composite	1-2 and 12 inches	2419 Woodland	South	1/4-1/6/11	1300	2.60E+02
SSQH077	Quality Heights I	Composite	1-2 and 12 inches	2429 Woodland	North	1/4-1/6/11	1500	2.60E+02
SSQH078	Quality Heights I	Composite	1-2 and 12 inches	2429 Woodland	East	1/4-1/6/11	610	2.60E+02
SSQH079	Quality Heights I	Composite	1-2 and 12 inches	2429 Woodland	South	1/4-1/6/11	380	2.60E+02
SSQH080	Quality Heights I	Composite	1-2 and 12 inches	2429 Woodland	West	1/4-1/6/11	390	2.60E+02

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RIVERFRONT ENVIRONMENTAL

Sample Log

Client: McCormack Baron Salazar **Date:** 1/25/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Suficial Sampling

Sample No. (Budgeted 160 samples)	Description	Grab/ Composite	Composite Depths	Location		Date Collected	Lab Results mg/kg	MRBCA Tier 1 RBTLs Soil Type I Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact
SSQH081	Quality Heights I	Composite	1-2 and 12 inches	1800 E. 24th Terrace	West	1/4-1/6/11	110	2.60E+02
SSQH082	Quality Heights I	Composite	1-2 and 12 inches	1800 E. 24th Terrace	North	1/4-1/6/11	400	2.60E+02
SSQH083	Quality Heights I	Composite	1-2 and 12 inches	1800 E. 24th Terrace	East	1/4-1/6/11	340	2.60E+02
SSQH084	Quality Heights I	Composite	1-2 and 12 inches	1800 E. 24th Terrace	South	1/4-1/6/11	570	2.60E+02
SSQH085	Quality Heights I	Composite	1-2 and 12 inches	1806 E. 24th Terrace	South	1/4-1/6/11	530	2.60E+02
SSQH086	Quality Heights I	Composite	1-2 and 12 inches	1806 E. 24th Terrace	West	1/4-1/6/11	550	2.60E+02
SSQH087	Quality Heights I	Composite	1-2 and 12 inches	1806 E. 24th Terrace	North	1/4-1/6/11	440	2.60E+02
SSQH088	Quality Heights I	Composite	1-2 and 12 inches	1806 E. 24th Terrace	East	1/4-1/6/11	190	2.60E+02
SSQH089	Quality Heights I	Composite	1-2 and 12 inches	1812 E. 24th Terrace	West	1/4-1/6/11	560	2.60E+02
SSQH090	Quality Heights I	Composite	1-2 and 12 inches	1812 E. 24th Terrace	North	1/4-1/6/11	260	2.60E+02
SSQH091	Quality Heights I	Composite	1-2 and 12 inches	1812 E. 24th Terrace	East	1/4-1/6/11	320	2.60E+02
SSQH092	Quality Heights I	Composite	1-2 and 12 inches	1812 E. 24th Terrace	South	1/4-1/6/11	540	2.60E+02
SSQH093	Quality Heights I	Composite	1-2 and 12 inches	1818 E. 24th Terrace	South	1/4-1/6/11	330	2.60E+02
SSQH094	Quality Heights I	Composite	1-2 and 12 inches	1818 E. 24th Terrace	West	1/4-1/6/11	250	2.60E+02
SSQH095	Quality Heights I	Composite	1-2 and 12 inches	1818 E. 24th Terrace	North	1/4-1/6/11	420	2.60E+02
SSQH096	Quality Heights I	Composite	1-2 and 12 inches	1818 E. 24th Terrace	East	1/4-1/6/11	360	2.60E+02
SSQH097	Quality Heights I	Composite	1-2 and 12 inches	2420 Michigan	South	1/4-1/6/11	410	2.60E+02
SSQH098	Quality Heights I	Composite	1-2 and 12 inches	2420 Michigan	West	1/4-1/6/11	330	2.60E+02
SSQH099	Quality Heights I	Composite	1-2 and 12 inches	2420 Michigan	North	1/4-1/6/11	1300	2.60E+02
SSQH100	Quality Heights I	Composite	1-2 and 12 inches	2420 Michigan	East	1/4-1/6/11	450	2.60E+02

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RIVERFRONT ENVIRONMENTAL

Sample Log

Client: McCormack Baron Salazar **Date:** 1/25/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Suficial Sampling

Sample No. (Budgeted 160 samples)	Description	Grab/ Composite	Composite Depths	Location		Date Collected	Lab Results mg/kg	MRBCA Tier 1 RBTLs Soil Type I Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact
SSQH101	Quality Heights I	Composite	1-2 and 12 inches	2417 Michigan	West	1/4-1/6/11	300	2.60E+02
SSQH102	Quality Heights I	Composite	1-2 and 12 inches	2417 Michigan	South	1/4-1/6/11	340	2.60E+02
SSQH103	Quality Heights I	Composite	1-2 and 12 inches	2417 Michigan	East	1/4-1/6/11	170	2.60E+02
SSQH104	Quality Heights I	Composite	1-2 and 12 inches	2417 Michigan	North	1/4-1/6/11	250	2.60E+02
SSQH105	Quality Heights I	Composite	1-2 and 12 inches	2415 Michigan	South	1/4-1/6/11	10000	2.60E+02
SSQH106	Quality Heights I	Composite	1-2 and 12 inches	2415 Michigan	West	1/4-1/6/11	960	2.60E+02
SSQH107	Quality Heights I	Composite	1-2 and 12 inches	2415 Michigan	North	1/4-1/6/11	2100	2.60E+02
SSQH108	Quality Heights I	Composite	1-2 and 12 inches	2415 Michigan	East	1/4-1/6/11	230	2.60E+02
SSQH109	Quality Heights I	Composite	1-2 and 12 inches	2413 Michigan	East	1/4-1/6/11	340	2.60E+02
SSQH110	Quality Heights I	Composite	1-2 and 12 inches	2413 Michigan	South	1/4-1/6/11	940	2.60E+02
SSQH111	Quality Heights I	Composite	1-2 and 12 inches	2413 Michigan	West	1/4-1/6/11	520	2.60E+02
SSQH112	Quality Heights I	Composite	1-2 and 12 inches	2413 Michigan	North	1/4-1/6/11	520	2.60E+02
SSQH113	Quality Heights I	Composite	1-2 and 12 inches	2409 Michgian	South	1/4-1/6/11	540	2.60E+02
SSQH114	Quality Heights I	Composite	1-2 and 12 inches	2409 Michgian	West	1/4-1/6/11	560	2.60E+02
SSQH115	Quality Heights I	Composite	1-2 and 12 inches	2409 Michgian	North	1/4-1/6/11	680	2.60E+02
SSQH116	Quality Heights I	Composite	1-2 and 12 inches	2409 Michgian	East	1/4-1/6/11	540	2.60E+02
SSQH117	Quality Heights I	Composite	1-2 and 12 inches	1908 E. 24th Street	South	1/4-1/6/11	120	2.60E+02
SSQH118	Quality Heights I	Composite	1-2 and 12 inches	1908 E. 24th Street	East	1/4-1/6/11	140	2.60E+02
SSQH119	Quality Heights I	Composite	1-2 and 12 inches	1908 E. 24th Street	North	1/4-1/6/11	58	2.60E+02
SSQH120	Quality Heights I	Composite	1-2 and 12 inches	1908 E. 24th Street	West	1/4-1/6/11	870	2.60E+02

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Sample Log

Client: McCormack Baron Salazar **Date:** 1/25/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Suficial Sampling

Sample No. (Budgeted 160 samples)	Description	Grab/ Composite	Composite Depths	Location		Date Collected	Lab Results mg/kg	MRBCA Tier 1 RBTLs Soil Type I Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact
SSQH121	Quality Heights I	Composite	1-2 and 12 inches	1904 E. 24th Street	East	1/4-1/6/11	190	2.60E+02
SSQH122	Quality Heights I	Composite	1-2 and 12 inches	1904 E. 24th Street	North	1/4-1/6/11	280	2.60E+02
SSQH123	Quality Heights I	Composite	1-2 and 12 inches	1904 E. 24th Street	West	1/4-1/6/11	860	2.60E+02
SSQH124	Quality Heights I	Composite	1-2 and 12 inches	1904 E. 24th Street	South	1/4-1/6/11	310	2.60E+02
SSQH125	Quality Heights I	Composite	1-2 and 12 inches	1900 E. 24th Street	South	1/4-1/6/11	260	2.60E+02
SSQH126	Quality Heights I	Composite	1-2 and 12 inches	1900 E. 24th Street	East	1/4-1/6/11	260	2.60E+02
SSQH127	Quality Heights I	Composite	1-2 and 12 inches	1900 E. 24th Street	North	1/4-1/6/11	690	2.60E+02
SSQH128	Quality Heights I	Composite	1-2 and 12 inches	1900 E. 24th Street	West	1/4-1/6/11	1000	2.60E+02
SSQH129	Quality Heights I	Composite	1-2 and 12 inches	2325 Michigan	West	1/4-1/6/11	430	2.60E+02
SSQH130	Quality Heights I	Composite	1-2 and 12 inches	2325 Michigan	South	1/4-1/6/11	240	2.60E+02
SSQH131	Quality Heights I	Composite	1-2 and 12 inches	2325 Michigan	East	1/4-1/6/11	330	2.60E+02
SSQH132	Quality Heights I	Composite	1-2 and 12 inches	2325 Michigan	North	1/4-1/6/11	240	2.60E+02
SSQH133	Quality Heights I	Composite	1-2 and 12 inches	2323 Michigan	South	1/4-1/6/11	610	2.60E+02
SSQH134	Quality Heights I	Composite	1-2 and 12 inches	2323 Michigan	East	1/4-1/6/11	310	2.60E+02
SSQH135	Quality Heights I	Composite	1-2 and 12 inches	2323 Michigan	North	1/4-1/6/11	180	2.60E+02
SSQH136	Quality Heights I	Composite	1-2 and 12 inches	2323 Michigan	West	1/4-1/6/11	980	2.60E+02
SSQH137	Quality Heights I	Composite	1-2 and 12 inches	1809 E, 24th Street	North	1/4-1/6/11	410	2.60E+02
SSQH138	Quality Heights I	Composite	1-2 and 12 inches	1809 E, 24th Street	West	1/4-1/6/11	370	2.60E+02
SSQH139	Quality Heights I	Composite	1-2 and 12 inches	1809 E, 24th Street	South	1/4-1/6/11	300	2.60E+02
SSQH140	Quality Heights I	Composite	1-2 and 12 inches	1809 E, 24th Street	East	1/4-1/6/11	360	2.60E+02

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Sample Log

Client: McCormack Baron Salazar **Date:** 1/25/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Suficial Sampling

Sample No. (Budgeted 160 samples)	Description	Grab/ Composite	Composite Depths	Location		Date Collected	Lab Results mg/kg	MRBCA Tier 1 RBTLs Soil Type I Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact
SSQH141	Quality Heights I	Composite	1-2 and 12 inches	1815 E. 24th Street	West	1/4-1/6/11	340	2.60E+02
SSQH142	Quality Heights I	Composite	1-2 and 12 inches	1815 E. 24th Street	North	1/4-1/6/11	1000	2.60E+02
SSQH143	Quality Heights I	Composite	1-2 and 12 inches	1815 E. 24th Street	East	1/4-1/6/11	560	2.60E+02
SSQH144	Quality Heights I	Composite	1-2 and 12 inches	1815 E. 24th Street	South	1/4-1/6/11	540	2.60E+02
SSQH145	Quality Heights I	Composite	1-2 and 12 inches	2406 Michigan	North	1/4-1/6/11	400	2.60E+02
SSQH146	Quality Heights I	Composite	1-2 and 12 inches	2406 Michigan	East	1/4-1/6/11	120	2.60E+02
SSQH147	Quality Heights I	Composite	1-2 and 12 inches	2406 Michigan	South	1/4-1/6/11	200	2.60E+02
SSQH148	Quality Heights I	Composite	1-2 and 12 inches	2406 Michigan	West	1/4-1/6/11	3000	2.60E+02
SSQH149	Quality Heights I	Composite	1-2 and 12 inches	2410 Michigan	West	1/4-1/6/11	390	2.60E+02
SSQH150	Quality Heights I	Composite	1-2 and 12 inches	2410 Michigan	North	1/4-1/6/11	2400	2.60E+02
SSQH151	Quality Heights I	Composite	1-2 and 12 inches	2410 Michigan	East	1/4-1/6/11	350	2.60E+02
SSQH152	Quality Heights I	Composite	1-2 and 12 inches	2410 Michigan	South	1/4-1/6/11	250	2.60E+02
SSQH153	Quality Heights I	Composite	1-2 and 12 inches	2021 E. 24th Terrace	North	1/4-1/6/11	290	2.60E+02
SSQH154	Quality Heights I	Composite	1-2 and 12 inches	2021 E. 24th Terrace	East	1/4-1/6/11	550	2.60E+02
SSQH155	Quality Heights I	Composite	1-2 and 12 inches	2021 E. 24th Terrace	South	1/4-1/6/11	120	2.60E+02
SSQH156	Quality Heights I	Composite	1-2 and 12 inches	2021 E. 24th Terrace	West	1/4-1/6/11	330	2.60E+02
SSQH157	Quality Heights I	Composite	1-2 and 12 inches	2025 E. 24th Terrace	West	1/4-1/6/11	580	2.60E+02
SSQH158	Quality Heights I	Composite	1-2 and 12 inches	2025 E. 24th Terrace	North	1/4-1/6/11	280	2.60E+02
SSQH159	Quality Heights I	Composite	1-2 and 12 inches	2025 E. 24th Terrace	East	1/4-1/6/11	340	2.60E+02
SSQH160	Quality Heights I	Composite	1-2 and 12 inches	2025 E. 24th Terrace	South	1/4-1/6/11	550	2.60E+02

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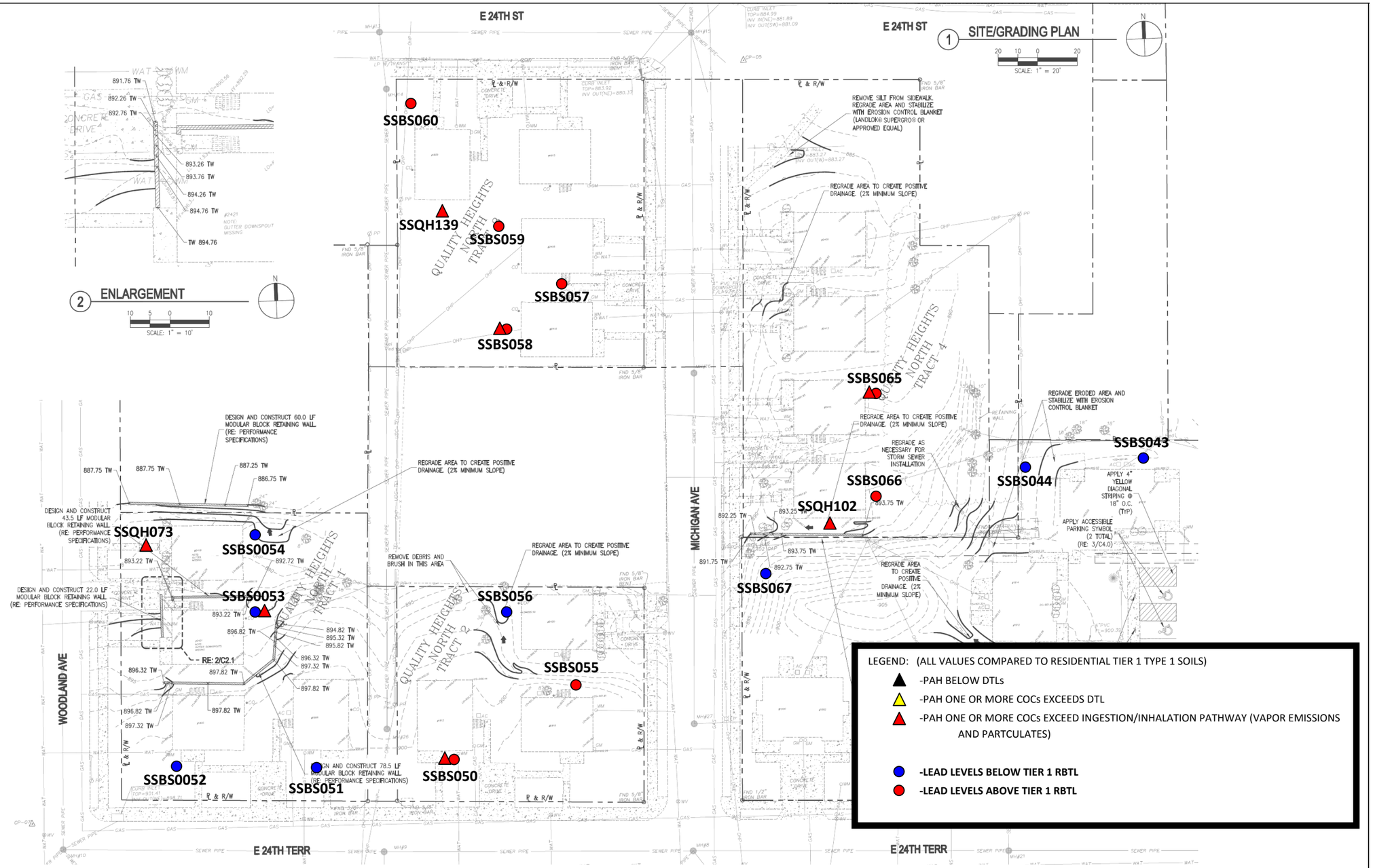
APPENDIX B

BARE SOILS LEAD AND PAH SAMPLE LOG AND SITE MAP



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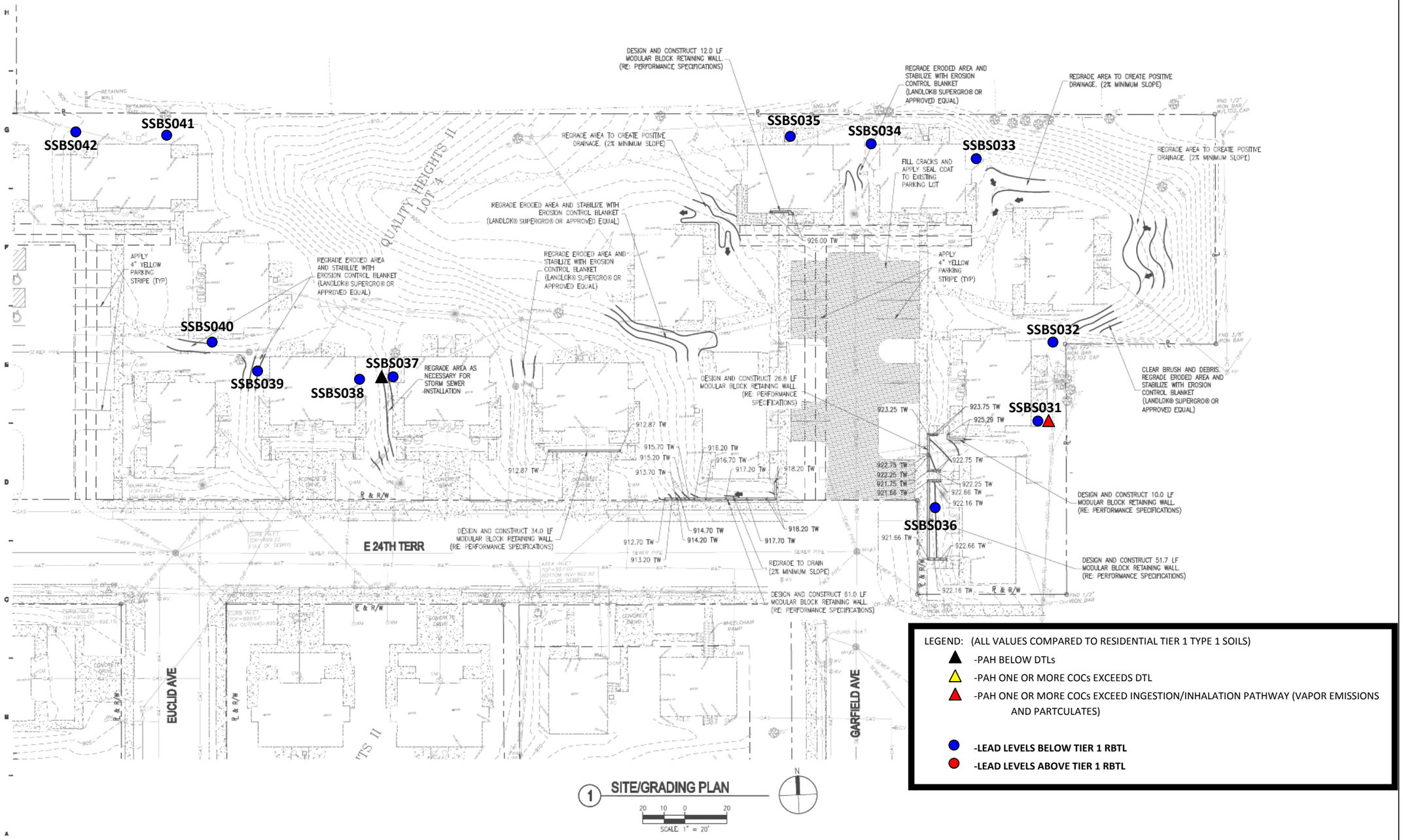
Date: 2/7/2011	Project No: 5938-01	Scale: see drawing	Drawn by: NA

Oakland Heights
Kansas City, Missouri 64127

Bare Soil Lead and PAH Map with Results - C2.1



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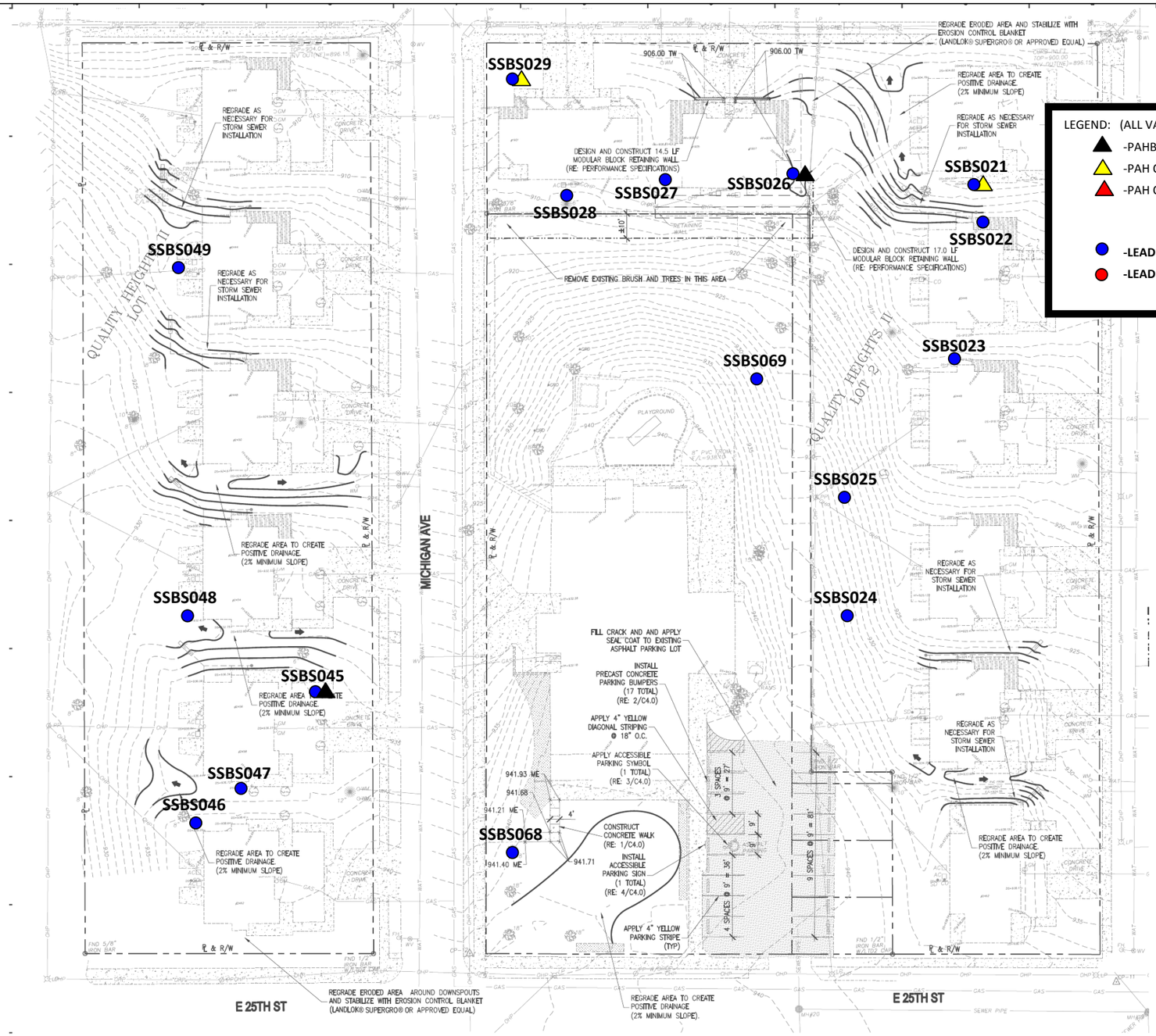
Date: 2/7/2011	Project No: 5938-03	Scale: see drawing	Drawn by: NA

Oakland Heights
Kansas City, Missouri 64127

Bare Soil Lead and PAH Map with Results - C2.2



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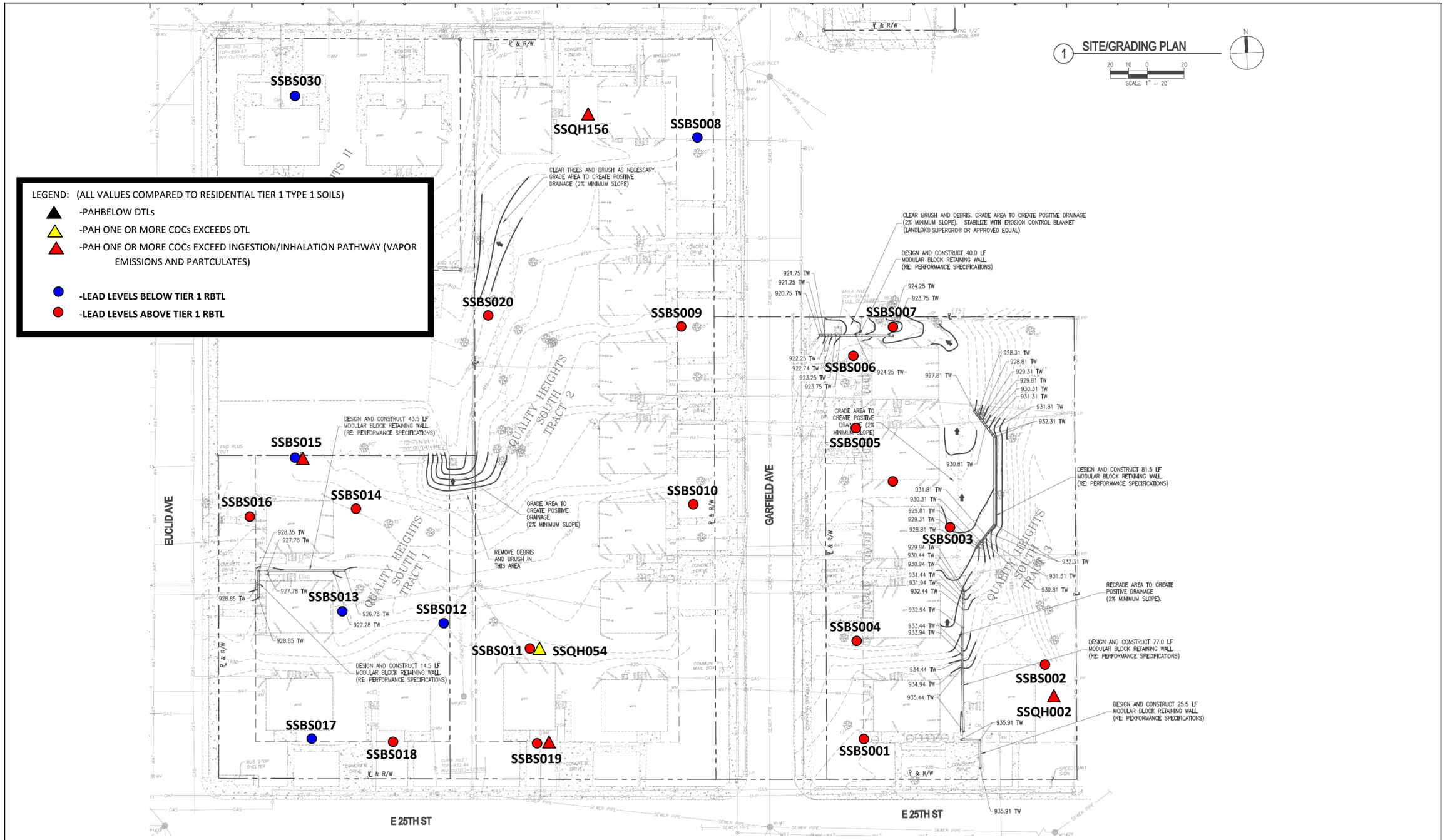
Date: 2/7/2011	Project No: 5938-03	Scale: see drawing	Drawn by: NA

Oakland Heights
Kansas City, Missouri 64127

Bare Soil Lead and PAH Map with Results - C2.3



RIVERFRONT ENVIRONMENTAL

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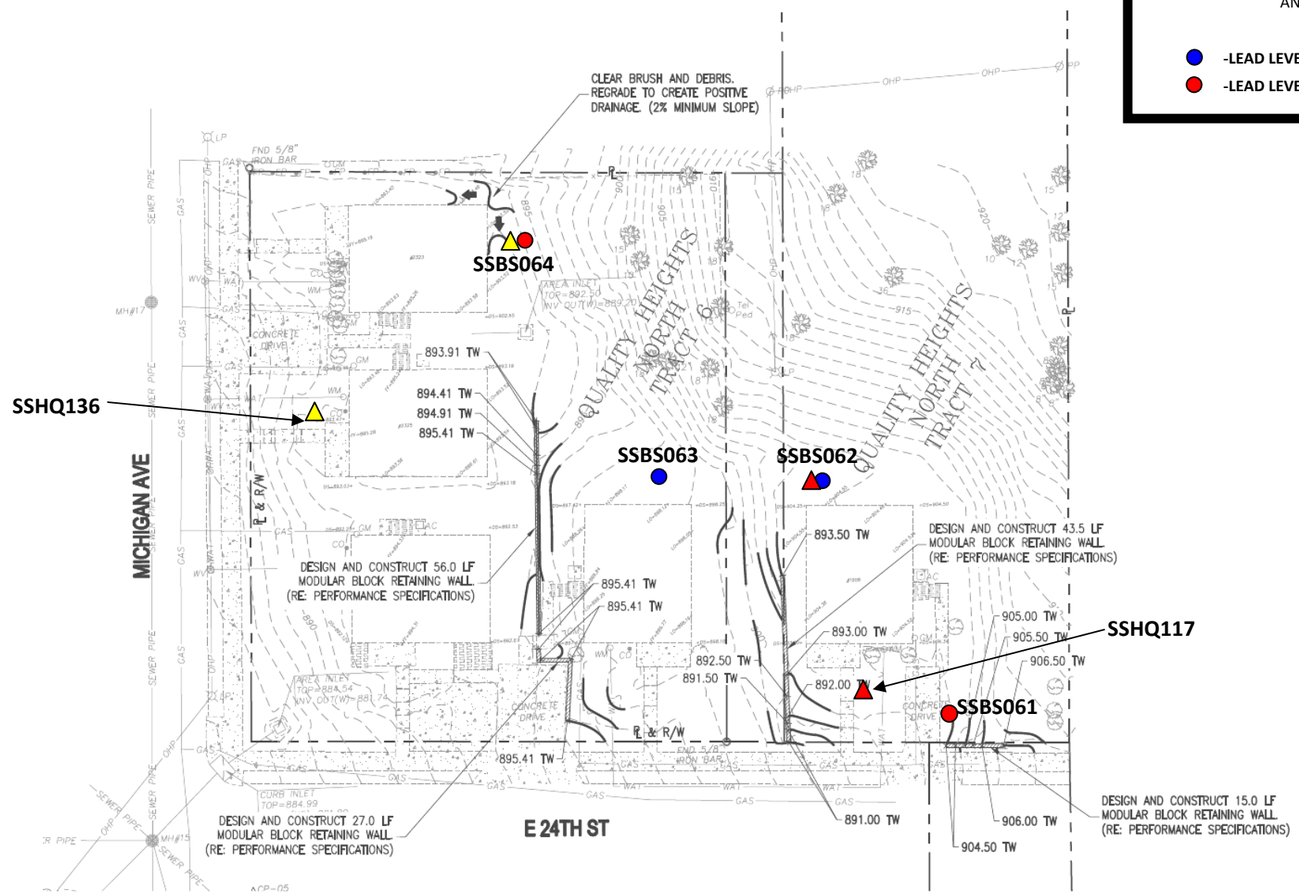
Date: 2/7/2011	Project No: 5938-03	Scale: see drawing	Drawn by: NA

Oakland Heights
Kansas City, Missouri 64127

Bare Soil Lead and PAH Map with Results - C2.4

LEGEND: (ALL VALUES COMPARED TO RESIDENTIAL TIER 1 TYPE 1 SOILS)

- ▲ -PAH BELOW DTLs
- △ -PAH ONE OR MORE COCs EXCEEDS DTL
- ▲ -PAH ONE OR MORE COCs EXCEED INGESTION/INHALATION PATHWAY (VAPOR EMISSIONS AND PARTCULATES)
- ● **-LEAD LEVELS BELOW TIER 1 RBTL**
- ● **-LEAD LEVELS ABOVE TIER 1 RBTL**



1 SITE/GRADING PLAN

RIVERFRONT ENVIRONMENTAL 1139 Olive, Ste. 300 - St. Louis, MO 63101 Ph. 314-436-9492 – Fx. 314-436-9733	Date: 2/7/2011	Project No: 5938-03	Scale: see drawing	Drawn by: NA
	Oakland Heights Kansas City, Missouri 64127		
	Bare Soil Lead and PAH Map with Results - C2.5		

Sample Log

Client: McCormack Baron Salazar **Date:** 2/2/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Surficial Sampling-Bare Soil

Sample No. (Budgeted 100 samples)	Description	Grab/ Composite	Sample Depths	Location	Date Collected	Lab Results Lead (ppm)	MRBCA Lead Tier 1 RBTLs Soil Type I Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact Indoor Inhalation of Vapor Emissions (ppm)
SSBS001	Bare Soil	Grab	1-2 Inches	2100 E. 25th Street SW	1/4/2011	680	260
SSBS002	Bare Soil	Grab	1-2 Inches	2106 E. 25th Street NW	1/4/2011	370	260
SSBS003	Bare Soil	Grab	1-2 Inches	2455 Garfield Ave. East	1/4/2011	1200	260
SSBS004	Bare Soil	Grab	1-2 Inches	2457 Garfield Ave. SW	1/4/2011	490	260
SSBS005	Bare Soil	Grab	1-2 Inches	2449 Garfield Ave. West	1/4/2011	3200	260
SSBS006	Bare Soil	Grab	1-2 Inches	2445 Garfield Ave. West	1/4/2011	390	260
SSBS007	Bare Soil	Grab	1-2 Inches	2445 Garfield Ave. North	1/4/2011	1500	260
SSBS008	Bare Soil	Grab	1-2 Inches	2436 Garfield Ave. NE	1/4/2011	180	260
SSBS009	Bare Soil	Grab	1-2 Inches	Between 2440 and 2444 Garfield on East side	1/4/2011	420	260
SSBS010	Bare Soil	Grab	1-2 Inches	2452 Garfield Ave. East side	1/4/2011	360	260
SSBS011	Bare Soil	Grab	1-2 Inches	2012 E. 25th Street North side	1/4/2011	390	260
SSBS012	Bare Soil	Grab	1-2 Inches	2006 E. 25th Street North side	1/4/2011	180	260
SSBS013	Bare Soil	Grab	1-2 Inches	2451 Euclid East Side	1/4/2011	240	260
SSBS014	Bare Soil	Grab	1-2 Inches	2449 Euclid East side	1/4/2011	420	260
SSBS015	Bare Soil	Grab	1-2 Inches	2449 Euclid North side	1/4/2011	230	260
SSBS016	Bare Soil	Grab	1-2 Inches	2449 Euclid West side	1/4/2011	500	260
SSBS017	Bare Soil	Grab	1-2 Inches	2000 E. 25th Street South side	1/4/2011	180	260
SSBS018	Bare Soil	Grab	1-2 Inches	2006 E. 25th Street South side	1/4/2011	330	260

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Sample Log

Client: McCormack Baron Salazar **Date:** 2/2/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Surficial Sampling-Bare Soil

				Location	Date Collected		MRBCA Lead Tier 1 RBTLs Soil Type I Ingestion, Inhalation
SSBS019	Bare Soil	Grab	1-2 Inches	2012 E. 25th Street South side	1/4/2011	280	260
SSBS020	Bare Soil	Grab	1-2 Inches	Tree'd area behind 2012 E. 25th Street	1/4/2011	330	260
SSBS021	Bare Soil	Grab	1-2 Inches	2442 Euclid Ave. South side	1/4/2011	75	260
SSBS022	Bare Soil	Grab	1-2 Inches	2444 Euclid North side	1/4/2011	57	260
SSBS023	Bare Soil	Grab	1-2 Inches	2448 Euclid North side	1/4/2011	110	260
SSBS024	Bare Soil	Grab	1-2 Inches	2454 Euclid West side	1/4/2011	77	260
SSBS025	Bare Soil	Grab	1-2 Inches	2452 Euclid West side	1/4/2011	55	260
SSBS026	Bare Soil	Grab	1-2 Inches	1907 E. 24th Terrace East Side	1/4/2011	51	260
SSBS027	Bare Soil	Grab	1-2 Inches	1905 E. 24th Terrace SW side	1/4/2011	50	260
SSBS028	Bare Soil	Grab	1-2 Inches	1903 E. 24th Terrace South side	1/4/2011	23	260
SSBS029	Bare Soil	Grab	1-2 Inches	1901 E. 24th Terrace North side	1/4/2011	69	260
SSBS030	Bare Soil	Grab	1-2 Inches	2003 E. 24th Terrace North side	1/4/2011	59	260
SSBS031	Bare Soil	Grab	1-2 Inches	2046 East 24th Terrace East side	1/4/2011	140	260
SSBS032	Bare Soil	Grab	1-2 Inches	2044 E. 24th Terrace East side	1/4/2011	130	260
SSBS033	Bare Soil	Grab	1-2 Inches	2038 E. 24th Terrace East side	1/4/2011	110	260
SSBS034	Bare Soil	Grab	1-2 Inches	2036 East 24th Terrace West side	1/4/2011	110	260
SSBS035	Bare Soil	Grab	1-2 Inches	2032 East 24th Terrace North side	1/4/2011	110	260
SSBS036	Bare Soil	Grab	1-2 Inches	2048 E. 24th Terrace West side	1/4/2011	100	260
SSBS037	Bare Soil	Grab	1-2 Inches	2016 E. 24th Terrace West side	1/4/2011	64	260
SSBS038	Bare Soil	Grab	1-2 Inches	2014 E. 24th Terrace East side	1/4/2011	87	260
SSBS039	Bare Soil	Grab	1-2 Inches	2012 E. 24th Terrace West side	1/4/2011	69	260

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RIVERFRONT ENVIRONMENTAL

Sample Log

Client: McCormack Baron Salazar **Date:** 2/2/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Surficial Sampling-Bare Soil

				Location	Date Collected		MRBCA Lead Tier 1 RBTLs Soil Type I Ingestion, Inhalation
SSBS040	Bare Soil	Grab	1-2 Inches	2008 E. 24th Terrace North side	1/4/2011	42	260
SSBS041	Bare Soil	Grab	1-2 Inches	2002 E. 24th Terrace North side	1/4/2011	50	260
SSBS042	Bare Soil	Grab	1-2 Inches	2000 E. 24th Terrace North side	1/4/2011	54	260
SSBS043	Bare Soil	Grab	1-2 Inches	1918 E. 24th Terrace North side	1/4/2011	67	260
SSBS044	Bare Soil	Grab	1-2 Inches	1916 E. 24th Terrace NW side	1/4/2011	73	260
SSBS045	Bare Soil	Grab	1-2 Inches	2456 Michigan East side	1/4/2011	91	260
SSBS046	Bare Soil	Grab	1-2 Inches	2460 Michigan NW side	1/4/2011	27	260
SSBS047	Bare Soil	Grab	1-2 Inches	2458 Michigan South side	1/4/2011	42	260
SSBS048	Bare Soil	Grab	1-2 Inches	2454 Michigan SW side	1/4/2011	42	260
SSBS049	Bare Soil	Grab	1-2 Inches	2446 Michigan West side	1/4/2011	37	260
SSBS050	Bare Soil	Grab	1-2 Inches	1812 E. 24th Terrace South side	1/4/2011	310	260
SSBS051	Bare Soil	Grab	1-2 Inches	1806 E. 24th Terrace South side	1/4/2011	210	260
SSBS052	Bare Soil	Grab	1-2 Inches	1800 E. 24th Terrace South side	1/4/2011	180	260
SSBS053	Bare Soil	Grab	1-2 Inches	2421 Woodland NE side	1/4/2011	240	260
SSBS054	Bare Soil	Grab	1-2 Inches	2419 Woodland East side	1/4/2011	110	260
SSBS055	Bare Soil	Grab	1-2 Inches	1818 E. 24th Terrace North side	1/4/2011	350	260
SSBS056	Bare Soil	Grab	1-2 Inches	2420 Michigan West side	1/4/2011	230	260
SSBS057	Bare Soil	Grab	1-2 Inches	2410 Michigan North side	1/4/2011	610	260
SSBS058	Bare Soil	Grab	1-2 Inches	2410 Michigan East side	1/4/2011	360	260
SSBS059	Bare Soil	Grab	1-2 Inches	2406 Michigan West side	1/4/2011	330	260
SSBS060	Bare Soil	Grab	1-2 Inches	1809 East 24th Street NW side	1/4/2011	290	260

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RIVERFRONT ENVIRONMENTAL

Sample Log

Client: McCormack Baron Salazar **Date:** 2/2/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Surficial Sampling-Bare Soil

				Location	Date Collected		MRBCA Lead Tier 1 RBTLs Soil Type I Ingestion, Inhalation
SSBS061	Bare Soil	Grab	1-2 Inches	1908 E. 24th Street SW side	1/4/2011	290	260
SSBS062	Bare Soil	Grab	1-2 Inches	1908 E. 24th Street North side	1/4/2011	80	260
SSBS063	Bare Soil	Grab	1-2 Inches	1904 E. 24th Street North side	1/4/2011	130	260
SSBS064	Bare Soil	Grab	1-2 Inches	2323 Michigan East side	1/4/2011	230	260
SSBS065	Bare Soil	Grab	1-2 Inches	2415 Michigan West side	1/4/2011	410	260
SSBS066	Bare Soil	Grab	1-2 Inches	2417 Michigan East side	1/4/2011	350	260
SSBS067	Bare Soil	Grab	1-2 Inches	2417 Michigan SW side	1/4/2011	49	260
SSBS068	Bare Soil	Grab	1-2 Inches	2445 Michigan Day Care SW	1/4/2011	30	260
SSBS069	Bare Soil	Grab	1-2 Inches	2445 Michigan Day Care NE	1/4/2011	120	260

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RIVERFRONT ENVIRONMENTAL

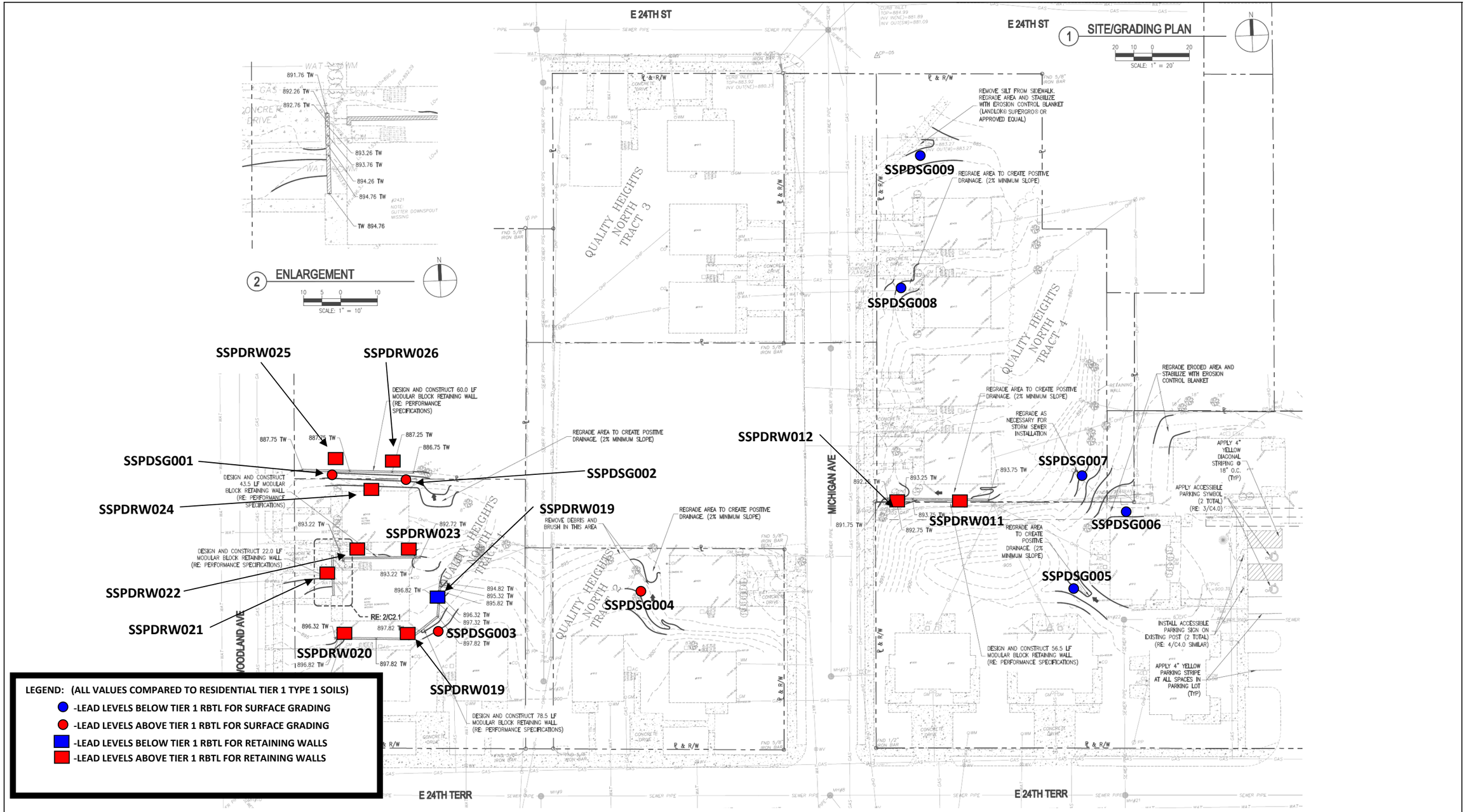
SURFICIAL SOIL QUALITY HEIGHTS
PAH Soil Results

ORGANICS (all concentrations in mg/kg)	Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Pyrene
MRBCA Default Target Levels	**1.74E+02**	**3.06E+03**	**6.12E+00**	**6.20E-01**	**6.19E+00**	**6.20E+01**	**5.99E+02**	**6.20E-01**	**2.28E+03**	**2.11E+02**	**1.50E+03**
MRBCA TIER 1 RBTL-Soil Type 1-Residential-Ingetion, Inhalation (Vapor Emissions and Particulates)	**3.13E+03**	**1.57E+04**	**6.20E+00**	**6.20E-01**	**6.19E+00**	**6.20E+01**	**5.99E+02**	**6.20E-01**	**2.28E+03**	**2.20E+03**	**1.71E+03**
Sample Numbers											
SSQH002	0.123	0.356	1.33	1.27	2	0.64	1.39	0.16	2.77	0.124	2.51
SSQH054	<0.0427	0.0858	0.472	0.443	0.628	0.247	0.464	0.059	0.845	<0.0427	0.769
SSQH073	2.11	4.67	13	11.2	17.5	5.96	12.6	1.51	28.1	1.75	23.6
SSQH102	<1.04	<1.04	2.96	2.78	4.32	1.56	3.07	<1.04	6.63	<1.04	5.51
SSQH117	0.854	3.07	6.55	5.54	8.68	3.72	7.43	0.838	15.5	0.846	13
SSQH136	<0.0421	0.109	0.418	0.378	0.614	0.252	0.456	0.0616	0.858	<0.0421	0.769
SSQH139	<0.453	0.484	1.94	1.81	2.45	0.923	1.74	<0.453	3.84	<0.453	3.69
SSQH156	1.23	2.92	5.18	4.03	5.52	2.29	4.76	0.701	11.5	1.33	9.4
SSBS015	<0.373	<0.373	1.15	1.02	1.35	0.483	1.08	<.0373	2.2	<.0373	1.97
SSBS019	<0.196	<0.196	0.764	0.708	1.06	0.287	0.796	<0.196	1.42	<0.196	1.28
SSBS021	<0.214	<0.214	<0.214	<0.214	0.25	<0.214	<0.214	<0.214	0.275	<0.214	0.235
SSBS026	0.0528	0.0528	0.0916	0.0817	0.125	0.0528	0.0823	0.0528	0.182	0.0528	0.146
SSBS029	<0.386	<0.386	0.477	0.34	0.499	<0.386	0.39	<0.386	0.764	<0.386	0.749
SSBS031	<1.03	<1.03	1.36	0.98	1.42	<1.03	1.05	<1.03	2.22	<1.03	1.88
SSBS037	<0.0372	0.0445	0.197	0.178	0.26	0.0912	0.187	<0.0372	0.339	<0.0372	0.317
SSBS045	<0.0786	<0.0786	0.119	0.116	0.185	0.072	0.128	<0.0786	0.211	<0.0786	0.185
SSBS050	<0.200	0.241	0.867	0.834	1.13	0.442	0.891	<0.2	1.93	<0.2	1.67
SSBS053	<0.191	<0.191	0.739	0.714	1.03	0.374	0.748	<0.191	1.49	<0.191	1.37
SSBS058	<0.938	<0.938	2.41	2.23	3.12	1.21	2.24	<0.938	5.63	<0.938	5.07
SSBS062	<0.417	<0.417	1.02	0.928	1.35	0.58	1.03	<0.417	2.48	<0.417	2.1
SSBS064	<0.186	<0.186	0.273	0.249	0.348	<0.186	0.268	<0.186	0.539	<0.186	0.524
SSBS065	<1.0	2.15	7.33	6.39	10.2	3.64	7.49	1.22	17.1	<1.0	13.8

THE RESIDENTIAL RBTL FOR INGESTION, INHALATION (VAPOR EMISSIONS AND PARTICULATES) AND DERMAL CONTACT IS CONSIDERED A COMPREHENSIVE TRGET LEVEL OF THE LISTED PATHWAYS.

APPENDIX C

RETAINING WALL AND SURFACE GRADING LEAD SAMPLE LOG AND SITE MAP



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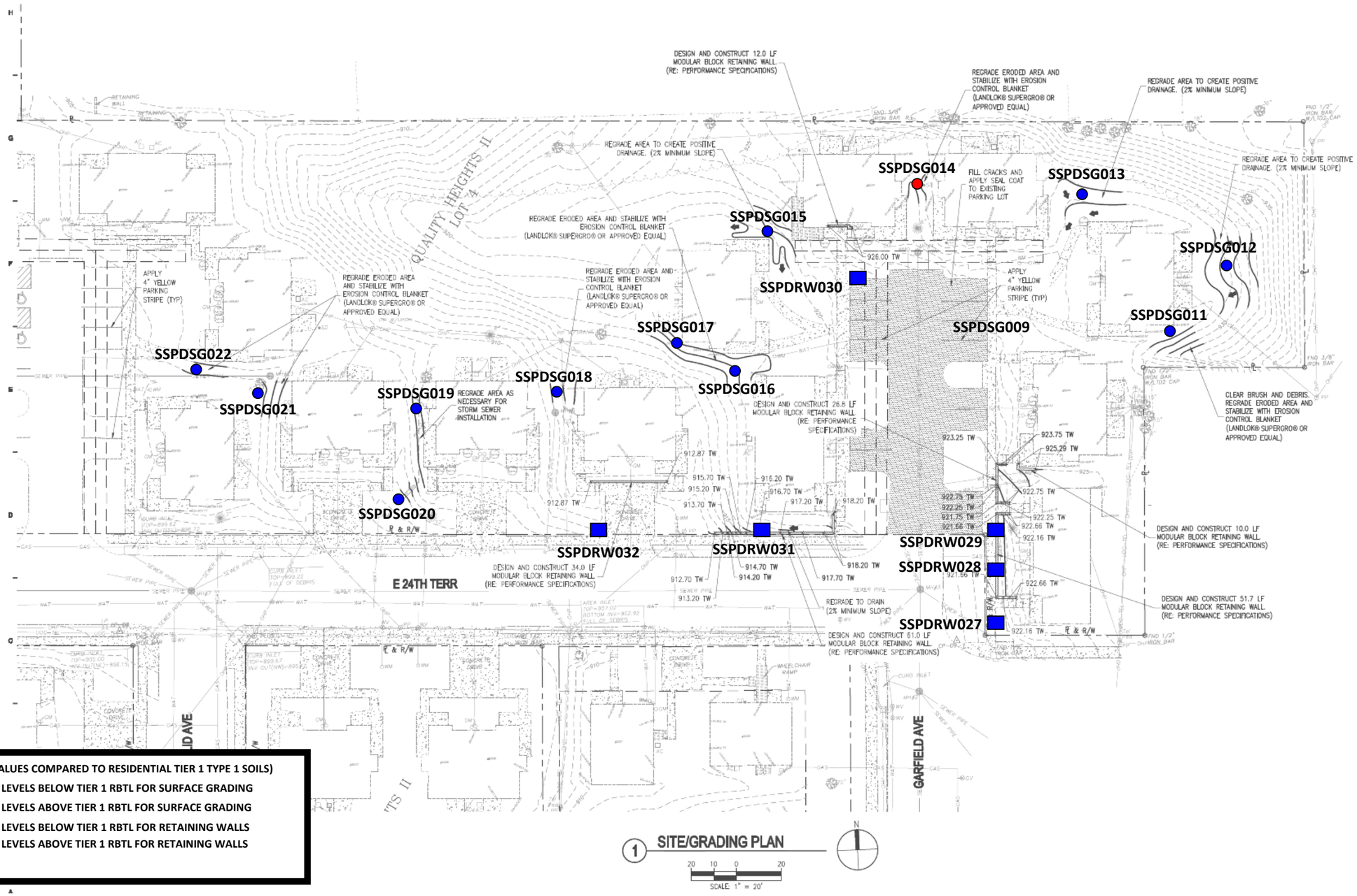
Date: 2/7/2011	Project No: 5938-01	Scale: see drawing	Drawn by: NA

Oakland Heights
Kansas City, Missouri 64127

Surface Grading and Retaining Wall Map with Lead Results - C2.1



LEGEND: (ALL VALUES COMPARED TO RESIDENTIAL TIER 1 TYPE 1 SOILS)

- -LEAD LEVELS BELOW TIER 1 RBTL FOR SURFACE GRADING
- -LEAD LEVELS ABOVE TIER 1 RBTL FOR SURFACE GRADING
- -LEAD LEVELS BELOW TIER 1 RBTL FOR RETAINING WALLS
- -LEAD LEVELS ABOVE TIER 1 RBTL FOR RETAINING WALLS

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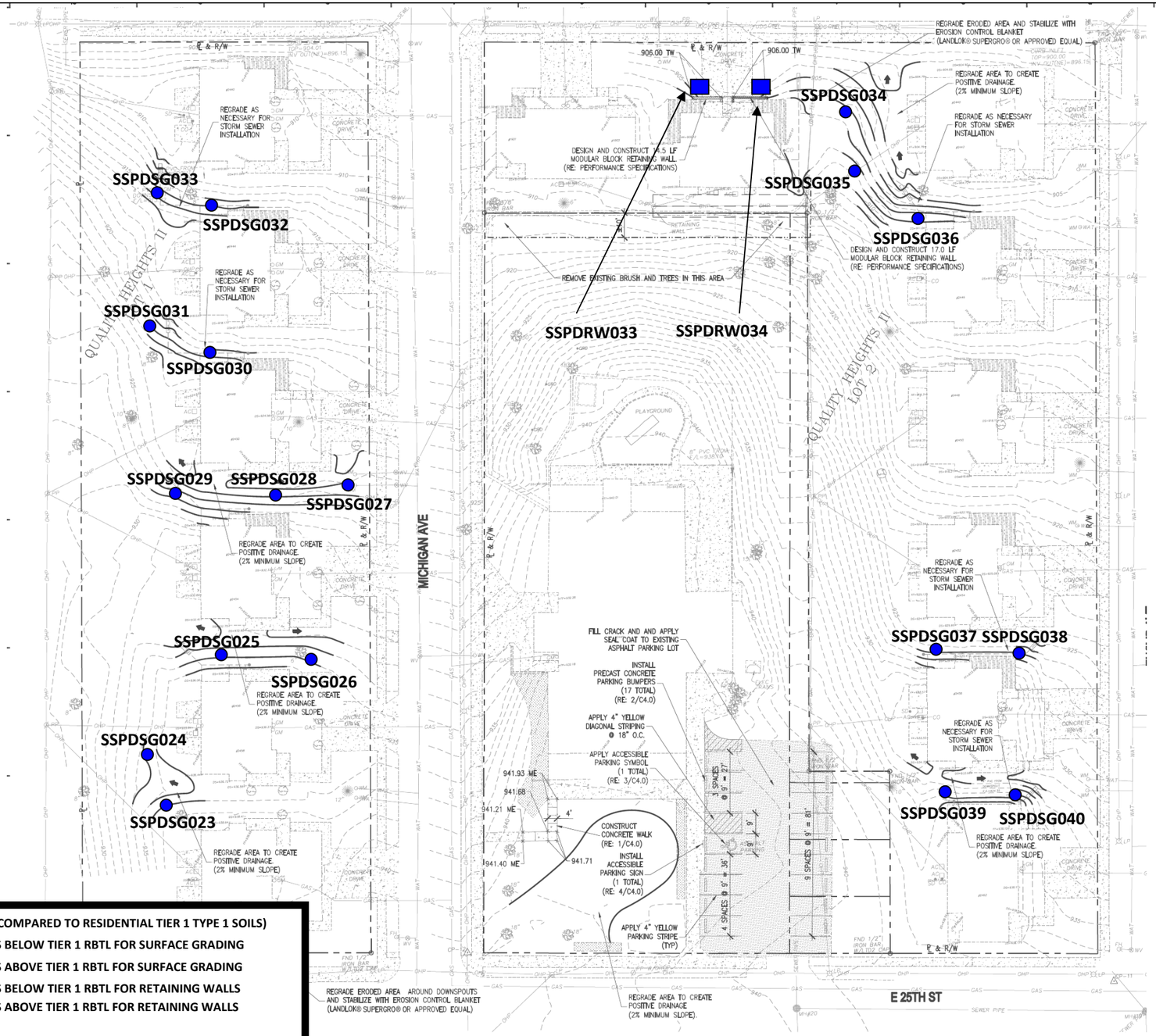
Date: 2/7/2011	Project No: 5938-03	Scale: see drawing	Drawn by: NA

Oakland Heights
Kansas City, Missouri 64127

Surface Grading and Retaining Wall Map with Lead Results - C2.2



LEGEND: (ALL VALUES COMPARED TO RESIDENTIAL TIER 1 TYPE 1 SOILS)

- -LEAD LEVELS BELOW TIER 1 RBTL FOR SURFACE GRADING
- -LEAD LEVELS ABOVE TIER 1 RBTL FOR SURFACE GRADING
- -LEAD LEVELS BELOW TIER 1 RBTL FOR RETAINING WALLS
- -LEAD LEVELS ABOVE TIER 1 RBTL FOR RETAINING WALLS

RIVERFRONT ENVIRONMENTAL
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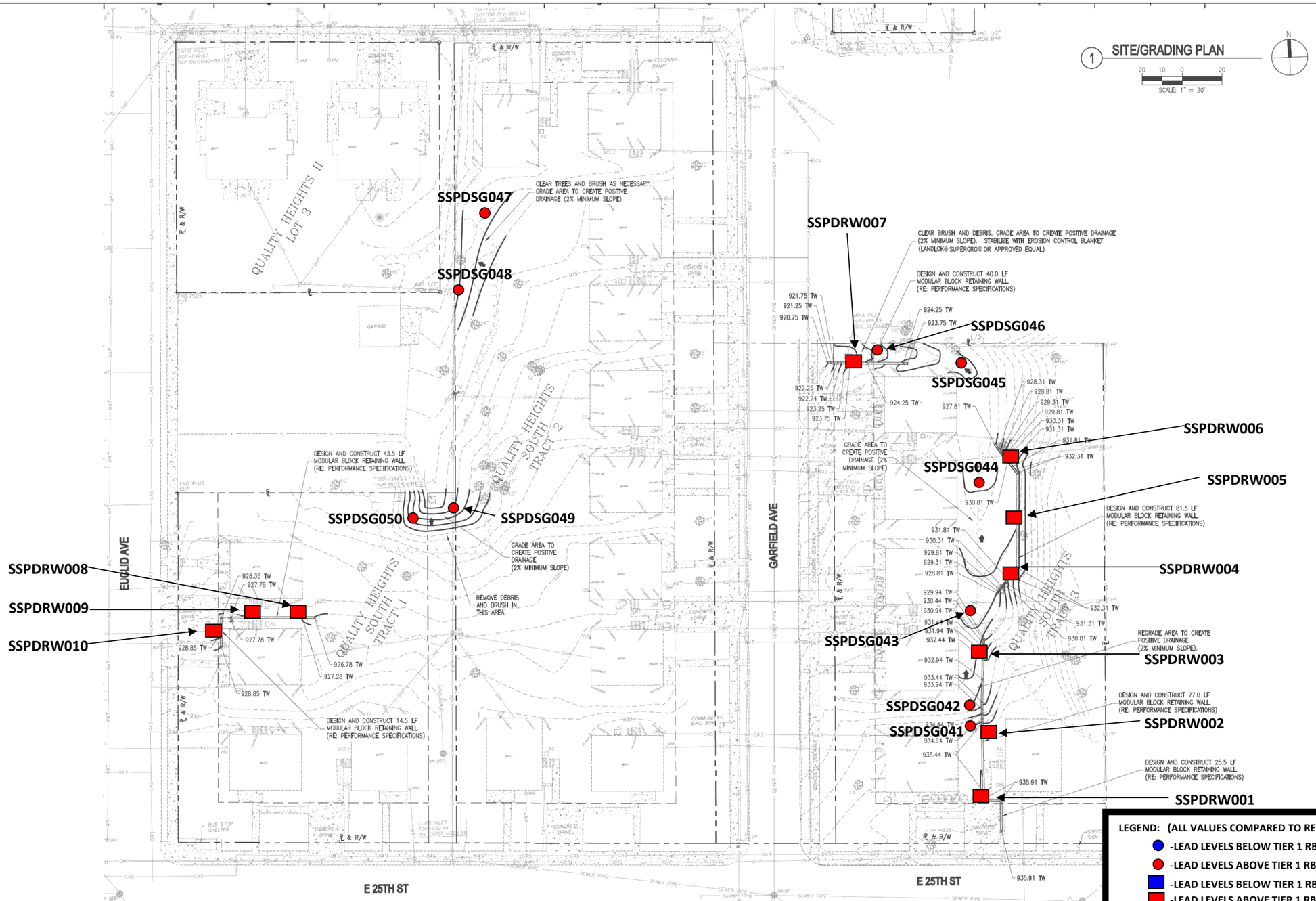
Date: 2/7/2011	Project No: 5938-03	Scale: see drawing	Drawn by: NA

Oakland Heights
Kansas City, Missouri 64127

Surface Grading and Retaining Wall Map with Lead Results - C2.3



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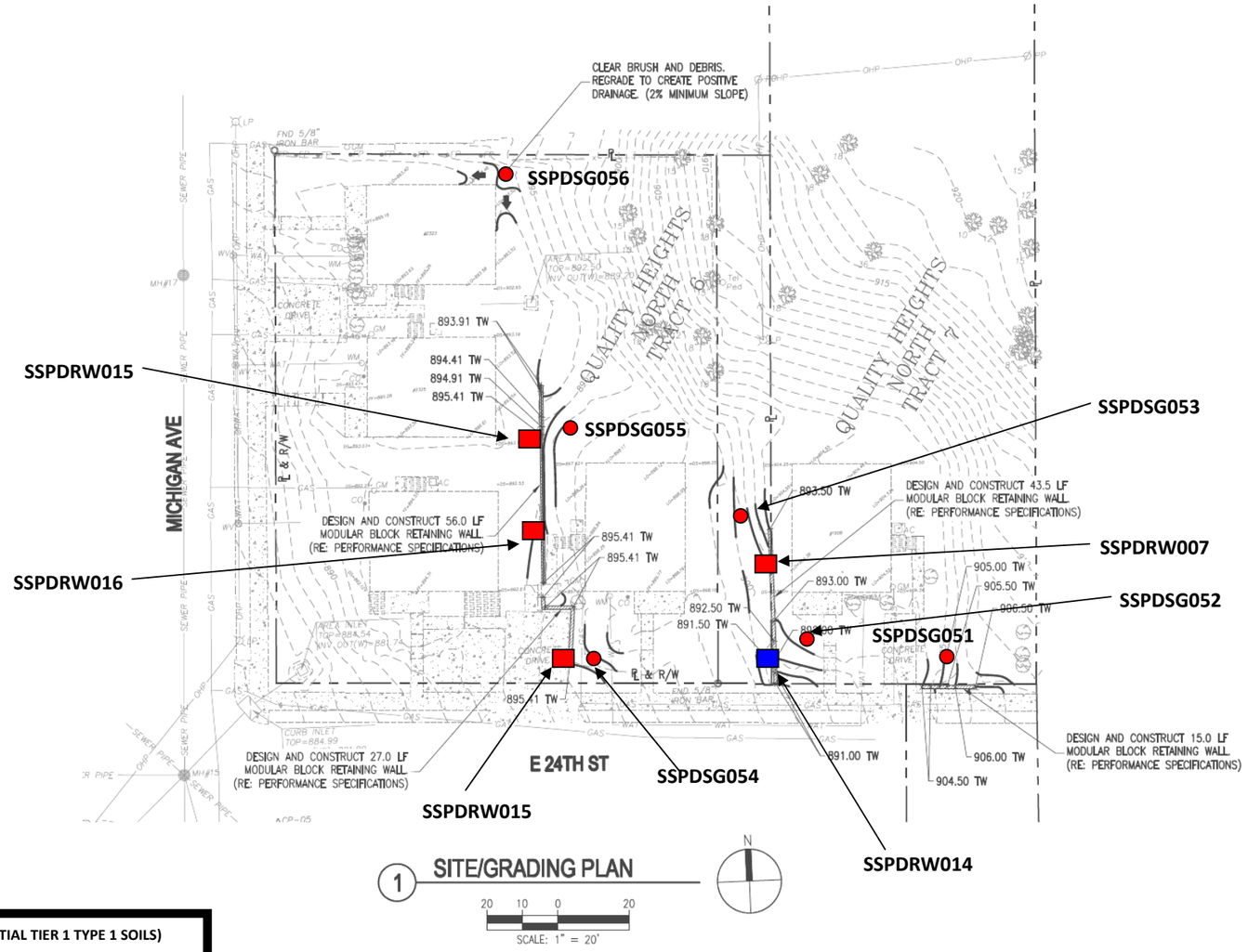
Date: 2/7/2011	Project No: 5938-03	Scale: see drawing	Drawn by: NA

Oakland Heights
Kansas City, Missouri 64127

Surface Grading and Retaining Wall Map with Lead Results - C2.4



LEGEND: (ALL VALUES COMPARED TO RESIDENTIAL TIER 1 TYPE 1 SOILS)

- -LEAD LEVELS BELOW TIER 1 RBTL FOR SURFACE GRADING
- -LEAD LEVELS ABOVE TIER 1 RBTL FOR SURFACE GRADING
- -LEAD LEVELS BELOW TIER 1 RBTL FOR RETAINING WALLS
- -LEAD LEVELS ABOVE TIER 1 RBTL FOR RETAINING WALLS

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Date: 2/7/2011	Project No: 5938-03	Scale: see drawing	Drawn by: NA

Oakland Heights
Kansas City, Missouri 64127

Surface Grading and Retaining Wall Map with Lead Results - C2.5

Sample Log

Client: McCormack Baron Salazar **Date:** 2/2/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Surficial Sampling

Sample No. (Budgeted 75 samples)	Description	Grab/ Composite	Composite Depths	Location	Date Collected	Lab Results Lead mg/kg	MRBCA Tier 1 RBTLs Soil Type I Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact Indoor Inhalation of Vapor Emissions
SSPDSG001	Surface Grading	Composite	1 to 12 Inches	2419 Woodland NW	1/4/2011	490	2.60E+02
SSPDSG002	Surface Grading	Composite	1 to 12 Inches	2419 Woodland NE	1/4/2011	1600	2.60E+02
SSPDSG003	Surface Grading	Composite	1 to 12 Inches	1806 E. 24th Terrace NW	1/4/2011	430	2.60E+02
SSPDSG004	Surface Grading	Composite	1 to 12 Inches	2420 Michigan West	1/4/2011	440	2.60E+02
SSPDSG005	Surface Grading	Composite	1 to 12 Inches	1912 E. 24th Terrace SW	1/4/2011	47	2.60E+02
SSPDSG006	Surface Grading	Composite	1 to 12 Inches	1914 E. 24th Terrace North	1/4/2011	58	2.60E+02
SSPDSG007	Surface Grading	Composite	1 to 12 Inches	2417 Michigan far East side of property	1/4/2011	43	2.60E+02
SSPDSG008	Surface Grading	Composite	1 to 12 Inches	2413 Michigan West	1/4/2011	43	2.60E+02
SSPDSG009	Surface Grading	Composite	1 to 12 Inches	2409 Michigan NW	1/4/2011	43	2.60E+02
SSPDSG010	Surface Grading	Composite	1 to 12 Inches	1916 E. 24th Terrace NW	1/4/2011	36	2.60E+02
SSPDSG011	Surface Grading	Composite	1 to 12 Inches	2042 E. 24th Terrace SW	1/4/2011	41	2.60E+02
SSPDSG012	Surface Grading	Composite	1 to 12 Inches	2040 E. 24th Terrace East	1/4/2011	55	2.60E+02
SSPDSG013	Surface Grading	Composite	1 to 12 Inches	2038 E. 24th Terrace East	1/4/2011	57	2.60E+02
SSPDSG014	Surface Grading	Composite	1 to 12 Inches	2034 E. 24th Terrace East	1/4/2011	665	2.60E+02
SSPDSG015	Surface Grading	Composite	1 to 12 Inches	2032 E. 24th Terrace West	1/4/2011	60	2.60E+02
SSPDSG016	Surface Grading	Composite	1 to 12 Inches	2026 E. 24th Terrace NW	1/4/2011	67	2.60E+02
SSPDSG017	Surface Grading	Composite	1 to 12 Inches	2028 E. 24th Terrace SW	1/4/2011	68	2.60E+02
SSPDSG018	Surface Grading	Composite	1 to 12 Inches	2020 E. 24th Terrace NW	1/4/2011	65	2.60E+02
SSPDSG019	Surface Grading	Composite	1 to 12 Inches	2016 E. 24th Terrace West	1/4/2011	74	2.60E+02
SSPDSG020	Surface Grading	Composite	1 to 12 Inches	2014 E. 24th Terrace SE	1/4/2011	63	2.60E+02

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RIVERFRONT ENVIRONMENTAL

Sample Log

Client: McCormack Baron Salazar **Date:** 2/2/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Surficial Sampling

Sample No. (Budgeted 75 samples)	Description	Grab/ Composite	Composite Depths	Location	Date Collected	Lab Results Lead mg/kg	MRBCA Tier 1 RBTLs Soil Type I Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact Indoor Inhalation of Vapor Emissions
SSPDSG021	Surface Grading	Composite	1 to 12 Inches	2012 E. 24th Terrace NW	1/4/2011	69	2.60E+02
SSPDSG022	Surface Grading	Composite	1 to 12 Inches	2006 E. 24th Terrace SW	1/4/2011	53	2.60E+02
SSPDSG023	Surface Grading	Composite	1 to 12 Inches	2460 Michigan NW	1/4/2011	43	2.60E+02
SSPDSG024	Surface Grading	Composite	1 to 12 Inches	2458 Michigan West	1/4/2011	41	2.60E+02
SSPDSG025	Surface Grading	Composite	1 to 12 Inches	2456 Michigan NW	1/4/2011	39	2.60E+02
SSPDSG026	Surface Grading	Composite	1 to 12 Inches	2456 Michigan NE	1/4/2011	48	2.60E+02
SSPDSG027	Surface Grading	Composite	1 to 12 Inches	2452 Michigan NE	1/4/2011	45	2.60E+02
SSPDSG028	Surface Grading	Composite	1 to 12 Inches	2452 Michigan North center	1/4/2011	37	2.60E+02
SSPDSG029	Surface Grading	Composite	1 to 12 Inches	2452 Michigan NW	1/4/2011	45	2.60E+02
SSPDSG030	Surface Grading	Composite	1 to 12 Inches	2448 Michigan Immediate NW	1/4/2011	42	2.60E+02
SSPDSG031	Surface Grading	Composite	1 to 12 Inches	2448 Michigan Far NW	1/4/2011	39	2.60E+02
SSPDSG032	Surface Grading	Composite	1 to 12 Inches	2444 Michigan Immediate NW	1/4/2011	44	2.60E+02
SSPDSG033	Surface Grading	Composite	1 to 12 Inches	2448 Michigan Far NW	1/4/2011	57	2.60E+02
SSPDSG034	Surface Grading	Composite	1 to 12 Inches	2440 Euclid West	1/4/2011	45	2.60E+02
SSPDSG035	Surface Grading	Composite	1 to 12 Inches	2442 Euclid West	1/4/2011	55	2.60E+02
SSPDSG036	Surface Grading	Composite	1 to 12 Inches	2444 Euclid NW	1/4/2011	84	2.60E+02
SSPDSG037	Surface Grading	Composite	1 to 12 Inches	2456 Euclid NW	1/4/2011	82	2.60E+02
SSPDSG038	Surface Grading	Composite	1 to 12 Inches	2456 Euclid NE	1/4/2011	70	2.60E+02
SSPDSG039	Surface Grading	Composite	1 to 12 Inches	2460 Euclid NW	1/4/2011	57	2.60E+02
SSPDSG040	Surface Grading	Composite	1 to 12 Inches	2460 Euclid NE	1/4/2011	54	2.60E+02

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RIVERFRONT ENVIRONMENTAL

Sample Log

Client: McCormack Baron Salazar **Date:** 2/2/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Surficial Sampling

Sample No. (Budgeted 75 samples)	Description	Grab/ Composite	Composite Depths	Location	Date Collected	Lab Results Lead mg/kg	MRBCA Tier 1 RBTLs Soil Type I Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact Indoor Inhalation of Vapor Emissions
SSPDSG041	Surface Grading	Composite	1 to 12 Inches	2100 East 25th Street East	1/4/2011	370	2.60E+02
SSPDSG042	Surface Grading	Composite	1 to 12 Inches	2457 Garfield SW	1/4/2011	430	2.60E+02
SSPDSG043	Surface Grading	Composite	1 to 12 Inches	2453 Garfield SW	1/4/2011	400	2.60E+02
SSPDSG044	Surface Grading	Composite	1 to 12 Inches	2449 Garfield East	1/4/2011	460	2.60E+02
SSPDSG045	Surface Grading	Composite	1 to 12 Inches	2445 Garfield NE	1/4/2011	490	2.60E+02
SSPDSG046	Surface Grading	Composite	1 to 12 Inches	2445 Garfield NW	1/4/2011	330	2.60E+02
SSPDSG047	Surface Grading	Composite	1 to 12 Inches	2008 E. 24th Terrace South	1/4/2011	350	2.60E+02
SSPDSG048	Surface Grading	Composite	1 to 12 Inches	2440 Garfield Far West of lot	1/4/2011	510	2.60E+02
SSPDSG049	Surface Grading	Composite	1 to 12 Inches	2448 Garfield Far West of lot	1/4/2011	420	2.60E+02
SSPDSG050	Surface Grading	Composite	1 to 12 Inches	2449 Euclid Far NE of lot	1/4/2011	380	2.60E+02
SSPDSG051	Surface Grading	Composite	1 to 12 Inches	1908 E. 24th Street SE	1/4/2011	480	2.60E+02
SSPDSG052	Surface Grading	Composite	1 to 12 Inches	1908 E. 24th Street SW	1/4/2011	500	2.60E+02
SSPDSG053	Surface Grading	Composite	1 to 12 Inches	1908 E. 24th Street West	1/4/2011	420	2.60E+02
SSPDSG054	Surface Grading	Composite	1 to 12 Inches	1904 E. 24th Street South	1/4/2011	420	2.60E+02
SSPDSG055	Surface Grading	Composite	1 to 12 Inches	1904 E. 24th Street NW	1/4/2011	550	2.60E+02
SSPDSG056	Surface Grading	Composite	1 to 12 Inches	2323 Michigan NE	1/4/2011	520	2.60E+02

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RIVERFRONT ENVIRONMENTAL

Sample Log

Client: McCormack Baron Salazar **Date:** 2/2/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Surficial Soil Sampling-Retaining Wall

Sample No. (Budgeted 34 samples)	Description	Grab/ Composite	Composite Depths (Based on Height of Retaining Wall)	Location	Date Collected	Lab Results Lead (ppm)	MRBCA Tier 1 RBTLs Soil Type I Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact Indoor Inhalation of Vapor
SSPDRW001	Retaining Wall	Composite	1-30 Inches	Wall between 2100 & 2106 Garfield-south end	1/5/2011	600	2.60E+02
SSPDRW002	Retaining Wall	Composite	1-30 Inches	Wall between 2100 & 2106 Garfield-center	1/5/2011	680	2.60E+02
SSPDRW003	Retaining Wall	Composite	1-30 Inches	Wall between 2100 & 2106 Garfield-north end	1/5/2011	740	2.60E+02
SSPDRW004	Retaining Wall	Composite	1-30 Inches	Wall East of 2453 & 2449 Garfield-south end	1/5/2011	780	2.60E+02
SSPDRW005	Retaining Wall	Composite	1-30 Inches	Wall East of 2453 & 2449 Garfield-center	1/5/2011	640	2.60E+02
SSPDRW006	Retaining Wall	Composite	1-30 Inches	Wall East of 2453 & 2449 Garfield-north end	1/5/2011	780	2.60E+02
SSPDRW007	Retaining Wall	Composite	1-30 Inches	Wall to the NW of 2445 Garfield	1/5/2011	490	2.60E+02
SSPDRW008	Retaining Wall	Composite	1-30 Inches	Wall North of 2451 Euclid-East end	1/5/2011	500	2.60E+02
SSPDRW009	Retaining Wall	Composite	1-30 Inches	Wall North of 2451 Euclid-Center	1/5/2011	310	2.60E+02
SSPDRW010	Retaining Wall	Composite	1-30 Inches	Wall West of 2451 Euclid	1/5/2011	370	2.60E+02
SSPDRW011	Retaining Wall	Composite	1-30 Inches	Wall South of 2417 Michigan-East end	1/5/2011	590	2.60E+02
SSPDRW012	Retaining Wall	Composite	1-30 Inches	Wall South of 2417 Michigan-West end	1/5/2011	440	2.60E+02
SSPDRW013	Retaining Wall	Composite	1-30 Inches	Wall East of 1904 E. 24th Street-North end	1/5/2011	390	2.60E+02
SSPDRW014	Retaining Wall	Composite	1-30 Inches	Wall East of 1904 E. 24th Street-South end	1/5/2011	210	2.60E+02
SSPDRW015	Retaining Wall	Composite	1-30 Inches	Wall East of 1900 E. 24th Street-South end	1/5/2011	440	2.60E+02
SSPDRW016	Retaining Wall	Composite	1-30 Inches	Wall East of 1900 E. 24th Street-Center	1/5/2011	370	2.60E+02
SSPDRW017	Retaining Wall	Composite	1-30 Inches	Wall East of 1900 E. 24th Street-North end	1/5/2011	270	2.60E+02
SSPDRW018	Retaining Wall	Composite	1-30 Inches	Wall East of 2421 Woodland-Center	1/5/2011	210	2.60E+02
SSPDRW019	Retaining Wall	Composite	1-30 Inches	Wall South of 2421 Woodland-East end	1/5/2011	590	2.60E+02
SSPDRW020	Retaining Wall	Composite	1-30 Inches	Wall South of 2421 Woodland-West end	1/5/2011	860	2.60E+02

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RIVERFRONT ENVIRONMENTAL

Sample Log

Client: McCormack Baron Salazar **Date:** 2/2/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Surficial Soil Sampling-Retaining Wall

							MRBCA Tier 1 RBTLs Soil Type I Ingestion,
SSPDRW021	Retaining Wall	Composite	1-30 Inches	Wall West of 2421 Woodland-Center	1/5/2011	**400**	2.60E+02
SSPDRW022	Retaining Wall	Composite	1-30 Inches	Wall North of 2421 Woodland-NE side	1/5/2011	**750**	2.60E+02
SSPDRW023	Retaining Wall	Composite	1-30 Inches	Wall North of 2421 Woodland-NW side	1/5/2011	**660**	2.60E+02
SSPDRW024	Retaining Wall	Composite	1-30 Inches	Short wall imm. North of 2419 Woodland-Center	1/5/2011	**3800**	2.60E+02
SSPDRW025	Retaining Wall	Composite	1-30 Inches	Long wall North of 2419 Woodland-NW	1/5/2011	**830**	2.60E+02
SSPDRW026	Retaining Wall	Composite	1-30 Inches	Long wall North of 2419 Woodland-NE	1/5/2011	**520**	2.60E+02
SSPDRW027	Retaining Wall	Composite	1-30 Inches	Wall West of 2050 E. 24th Terrace-SW	1/6/2011	24	2.60E+02
SSPDRW028	Retaining Wall	Composite	1-30 Inches	Wall West of 2048 E. 24th Terrace-NW	1/6/2011	32	2.60E+02
SSPDRW029	Retaining Wall	Composite	1-30 Inches	Wall North of 2048 E. 24th Terrace-Center	1/6/2011	26	2.60E+02
SSPDRW030	Retaining Wall	Composite	1-30 Inches	Wall South of 2032 E. 24th Terrace-Center	1/6/2011	25	2.60E+02
SSPDRW031	Retaining Wall	Composite	1-30 Inches	Wall South of 2024 E. 24th Terrace-Center	1/6/2011	28	2.60E+02
SSPDRW032	Retaining Wall	Composite	1-30 Inches	Wall South of 2020 E. 24th Terrace-Center	1/6/2011	36	2.60E+02
SSPDRW033	Retaining Wall	Composite	1-30 Inches	Wall North of 1905 E. 24th Street-Center	1/6/2011	32	2.60E+02
SSPDRW034	Retaining Wall	Composite	1-30 Inches	Wall North of 1907 E. 24th Street-Center	1/6/2011	27	2.60E+02

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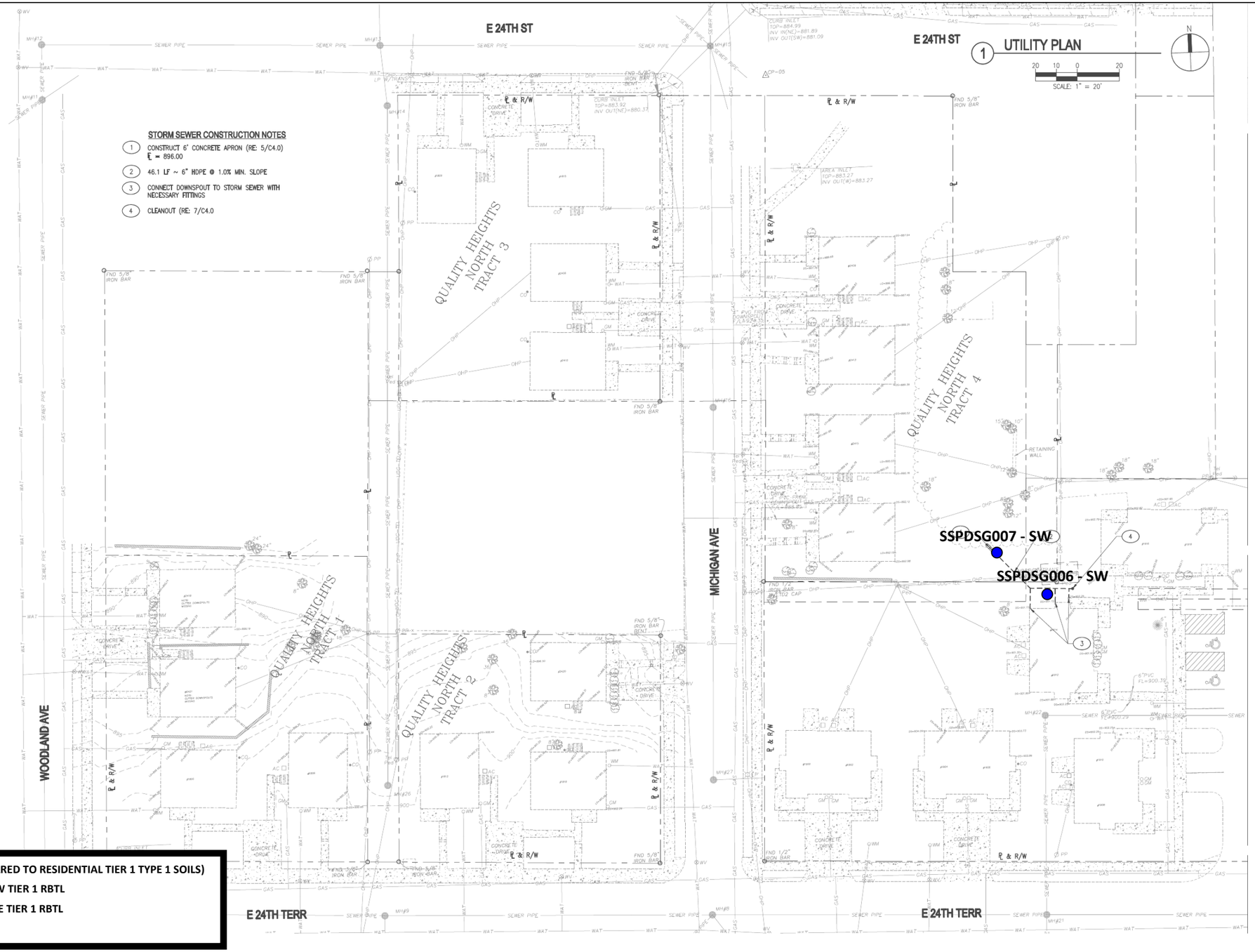
APPENDIX D

STORMWATER DRAIN LEAD SAMPLE LOG AND SITE MAP



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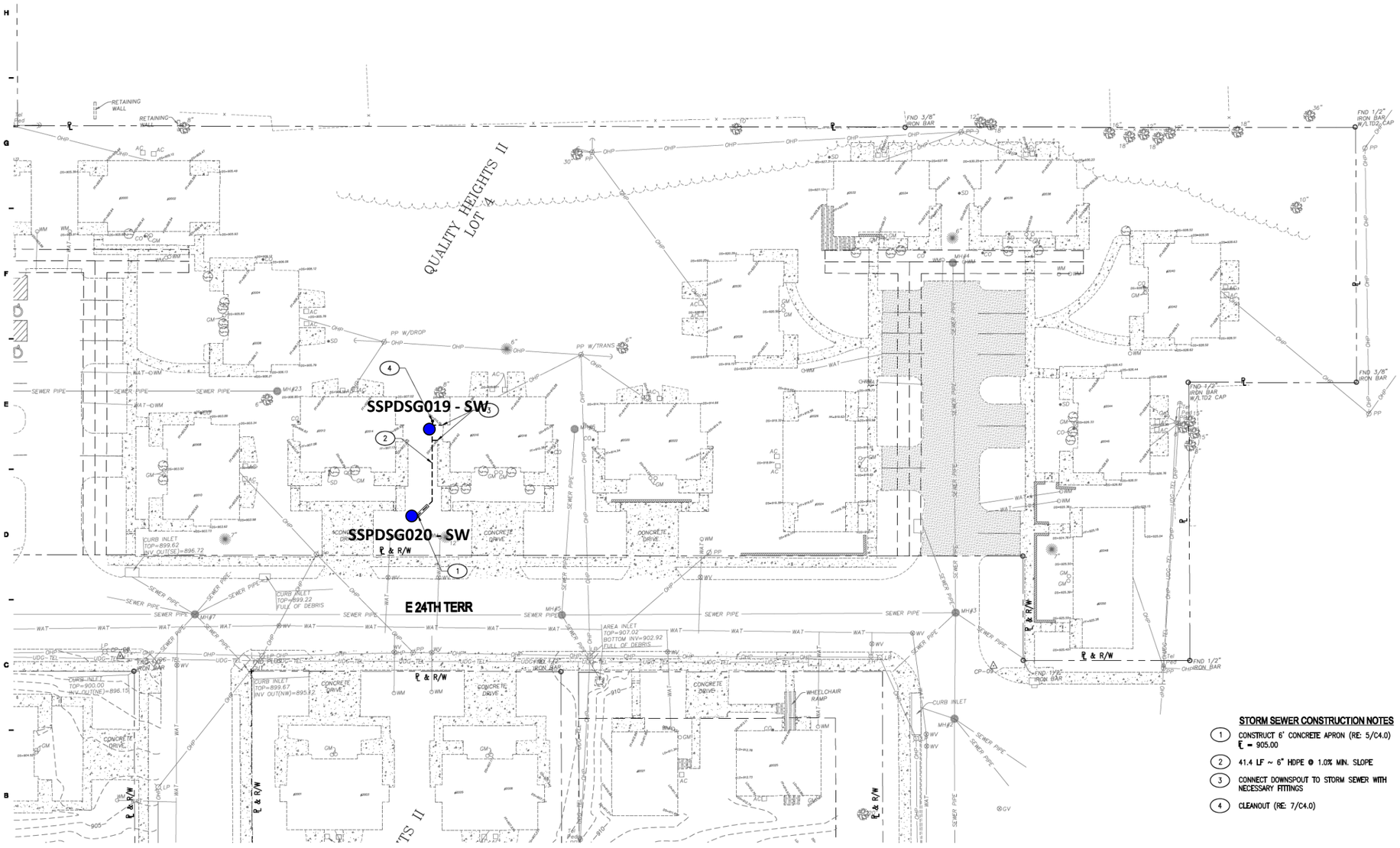
Date: 2/7/2011	Project No: 5938-03	Scale: see drawing	Drawn by: NA

Oakland Heights
Kansas City, Missouri 64127

Utility Map with Stormwater Lead Results – C3.1



STORM SEWER CONSTRUCTION NOTES

1. CONSTRUCT 6' CONCRETE APRON (RE: 5/C4.0) ℄ = 905.00
2. 41.4 LF ~ 6" HDPE @ 1.0% MIN. SLOPE
3. CONNECT DOWNSPOUT TO STORM SEWER WITH NECESSARY FITTINGS
4. CLEANOUT (RE: 7/C4.0)

1 UTILITY PLAN

20 10 0 20
SCALE: 1" = 20'

N

LEGEND: (ALL VALUES COMPARED TO RESIDENTIAL TIER 1 TYPE 1 SOILS)

- -LEAD LEVELS BELOW TIER 1 RBTL
- -LEAD LEVELS ABOVE TIER 1 RBTL

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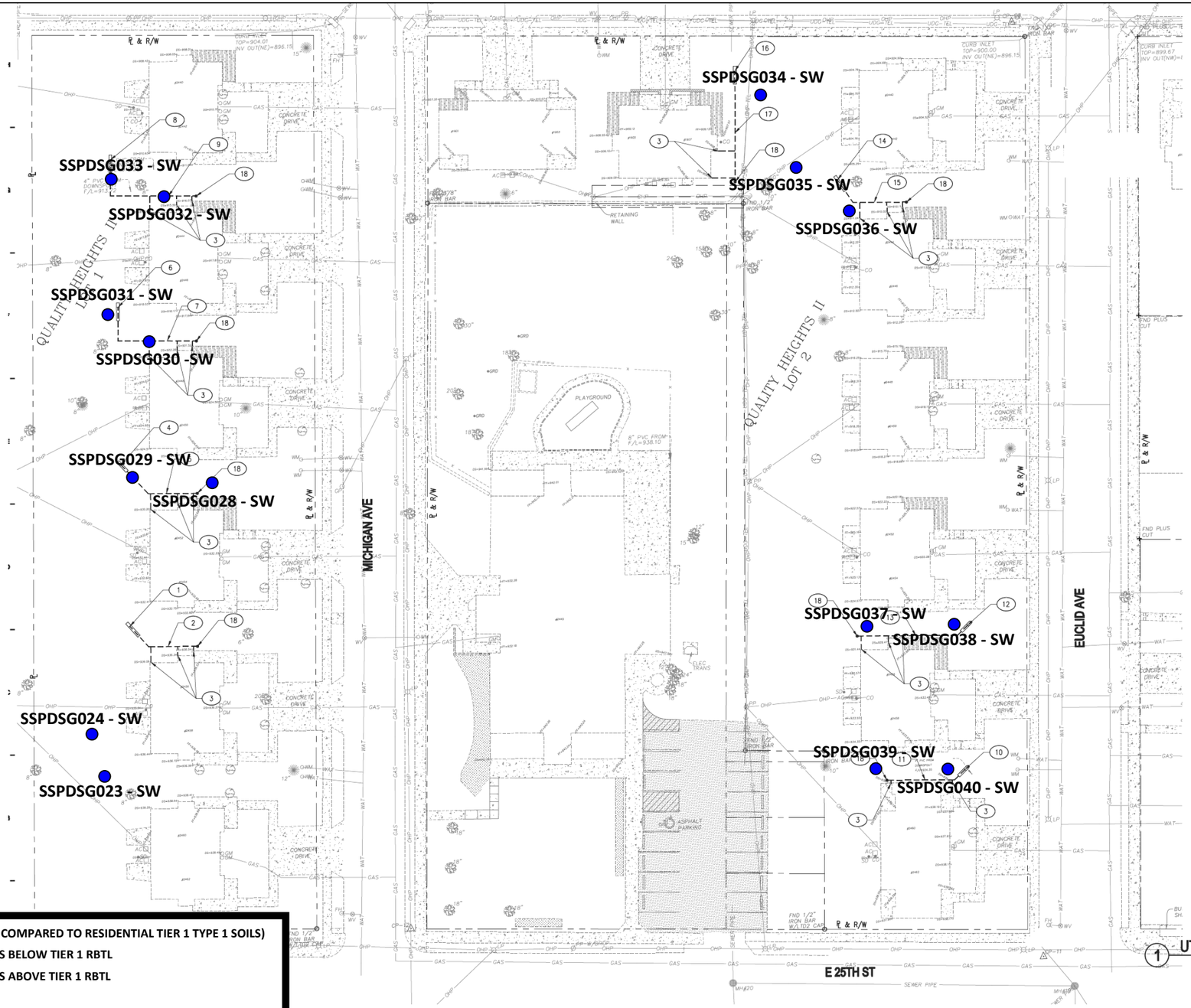
Date: 2/7/2011	Project No: 5938-03	Scale: see drawing	Drawn by: NA

Oakland Heights
Kansas City, Missouri 64127

Utility Map with Stormwater Lead Results – C3.2



STORM SEWER CONSTRUCTION NOTES

1. CONSTRUCT 6' CONCRETE APRON (RE: 5/C4.0) ℄ = 932.00
2. 32.3 LF ~ 6" HDPE @ 1.0% MIN. SLOPE
3. CONNECT DOWNSPOUT TO STORM SEWER WITH NECESSARY FITTINGS
4. CONSTRUCT 4' CONCRETE APRON (RE: 5/C4.0) ℄ = 924.00
5. 37.6 LF ~ 6" HDPE @ 1.0% MIN. SLOPE
6. CONSTRUCT 6' CONCRETE APRON (RE: 5/C4.0) ℄ = 918.73
7. 48.0 LF ~ 6" HDPE @ 1.0% MIN. SLOPE
8. CONSTRUCT 6' CONCRETE APRON (RE: 5/C4.0) ℄ = 912.00
9. 52.4 LF ~ 6" HDPE @ 1.0% MIN. SLOPE
10. CONSTRUCT 4' CONCRETE APRON (RE: 5/C4.0) ℄ = 923.00
11. 35.8 LF ~ 6" HDPE @ 1.0% MIN. SLOPE
12. CONSTRUCT 4' CONCRETE APRON (RE: 5/C4.0) ℄ = 925.00
13. 49.1 LF ~ 6" HDPE @ 1.0 MIN. SLOPE
14. CONSTRUCT 6' CONCRETE APRON (RE: 5/C4.0) ℄ = 905.00
15. 34.2 LF ~ 6" HDPE @ 1.0% MIN. SLOPE
16. CONSTRUCT 6' CONCRETE APRON (RE: 5/C4.0) ℄ = 905.00
17. 47.9 LF ~ 6" HDPE @ 1.0% MIN. SLOPE
18. CLEANOUT (RE: 7/C4.0)

LEGEND: (ALL VALUES COMPARED TO RESIDENTIAL TIER 1 TYPE 1 SOILS)

- -LEAD LEVELS BELOW TIER 1 RBTL
- -LEAD LEVELS ABOVE TIER 1 RBTL

1 UTILITY PLAN

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Date: 2/7/2011	Project No: 5938-03	Scale: see drawing	Drawn by: NA

Oakland Heights
Kansas City, Missouri 64127

Utility Map with Stormwater Lead Results – C3.3

Sample Log

Client: McCormack Baron Salazar **Date:** 2/2/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Surficial Sampling

Sample No. (Budgeted 75 samples)	Description	Grab/ Composite	Composite Depths	Location	Date Collected	Lab Results Lead mg/kg	MRBCA Tier 1 RBTLs Soil Type I, Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact Indoor Inhalation of Vapor Emissions	Comment
SSPDSG001	Surface Grading	Composite	1 to 12 Inches	2419 Woodland NW	1/4/2011	490	2.60E+02	
SSPDSG002	Surface Grading	Composite	1 to 12 Inches	2419 Woodland NE	1/4/2011	1600	2.60E+02	
SSPDSG003	Surface Grading	Composite	1 to 12 Inches	1806 E. 24th Terrace NW	1/4/2011	430	2.60E+02	
SSPDSG004	Surface Grading	Composite	1 to 12 Inches	2420 Michigan West	1/4/2011	440	2.60E+02	
SSPDSG005	Surface Grading	Composite	1 to 12 Inches	1912 E. 24th Terrace SW	1/4/2011	47	2.60E+02	
SSPDSG006	Surface Grading	Composite	1 , 12 and 24 Inches	1914 E. 24th Terrace North	1/4/2011	58	2.60E+02	Also Storm Drain Sample Location
SSPDSG007	Surface Grading	Composite	1 , 12 and 24 Inches	2417 Michigan far East side of property	1/4/2011	43	2.60E+02	Also Storm Drain Sample Location
SSPDSG008	Surface Grading	Composite	1 to 12 Inches	2413 Michigan West	1/4/2011	43	2.60E+02	
SSPDSG009	Surface Grading	Composite	1 to 12 Inches	2409 Michigan NW	1/4/2011	43	2.60E+02	
SSPDSG010	Surface Grading	Composite	1 to 12 Inches	1916	1/4/2011	36	2.60E+02	
SSPDSG011	Surface Grading	Composite	1 to 12 Inches	2042 E. 24th Terrace SW	1/4/2011	41	2.60E+02	
SSPDSG012	Surface Grading	Composite	1 to 12 Inches	2040 E. 24th Terrace East	1/4/2011	55	2.60E+02	
SSPDSG013	Surface Grading	Composite	1 to 12 Inches	2038 E. 24th Terrace East	1/4/2011	57	2.60E+02	
SSPDSG014	Surface Grading	Composite	1 to 12 Inches	2034 E. 24th Terrace East	1/4/2011	665	2.60E+02	
SSPDSG015	Surface Grading	Composite	1 to 12 Inches	2032 E. 24th Terrace West	1/4/2011	60	2.60E+02	
SSPDSG016	Surface Grading	Composite	1 to 12 Inches	2026 E. 24th Terrace NW	1/4/2011	67	2.60E+02	
SSPDSG017	Surface Grading	Composite	1 to 12 Inches	2028 E. 24th Terrace SW	1/4/2011	68	2.60E+02	
SSPDSG018	Surface Grading	Composite	1 to 12 Inches	2020 E. 24th Terrace NW	1/4/2011	65	2.60E+02	
SSPDSG019	Surface Grading	Composite	1 , 12 and 24 Inches	2016 E. 24th Terrace West	1/4/2011	74	2.60E+02	Also Storm Drain Sample Location
SSPDSG020	Surface Grading	Composite	1 , 12 and 24 Inches	2014 E. 24th Terrace SE	1/4/2011	63	2.60E+02	Also Storm Drain Sample Location

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RIVERFRONT ENVIRONMENTAL

Sample Log

Client: McCormack Baron Salazar **Date:** 2/2/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Surficial Sampling

Sample No. (Budgeted 75 samples)	Description	Grab/ Composite	Composite Depths	Location	Date Collected	Lab Results Lead mg/kg	MRBCA Tier 1 RBTLs Soil Type I, Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact Indoor Inhalation of Vapor Emissions	Comment
SSPDSG021	Surface Grading	Composite	1 to 12 Inches	2012 E. 24th Terrace NW	1/4/2011	69	2.60E+02	
SSPDSG022	Surface Grading	Composite	1 to 12 Inches	2006 E. 24th Terrace SW	1/4/2011	53	2.60E+02	
SSPDSG023	Surface Grading	Composite	1 , 12 and 24 Inches	2460 Michigan NW	1/4/2011	43	2.60E+02	Also Storm Drain Sample Location
SSPDSG024	Surface Grading	Composite	1 , 12 and 24 Inches	2458 Michigan West	1/4/2011	41	2.60E+02	Also Storm Drain Sample Location
SSPDSG025	Surface Grading	Composite	1 to 12 Inches	2456 Michigan NW	1/4/2011	39	2.60E+02	
SSPDSG026	Surface Grading	Composite	1 to 12 Inches	2456 Michigan NE	1/4/2011	48	2.60E+02	
SSPDSG027	Surface Grading	Composite	1 to 12 Inches	2452 Michigan NE	1/4/2011	45	2.60E+02	
SSPDSG028	Surface Grading	Composite	1 , 12 and 24 Inches	2452 Michigan North center	1/4/2011	37	2.60E+02	Also Storm Drain Sample Location
SSPDSG029	Surface Grading	Composite	2 , 12 and 24 Inches	2452 Michigan NW	1/4/2011	45	2.60E+02	Also Storm Drain Sample Location
SSPDSG030	Surface Grading	Composite	3 , 12 and 24 Inches	2448 Michigan Immediate NW	1/4/2011	42	2.60E+02	Also Storm Drain Sample Location
SSPDSG031	Surface Grading	Composite	4 , 12 and 24 Inches	2448 Michigan Far NW	1/4/2011	39	2.60E+02	Also Storm Drain Sample Location
SSPDSG032	Surface Grading	Composite	5 , 12 and 24 Inches	2444 Michigan Immediate NW	1/4/2011	44	2.60E+02	Also Storm Drain Sample Location
SSPDSG033	Surface Grading	Composite	6 , 12 and 24 Inches	2448 Michigan Far NW	1/4/2011	57	2.60E+02	Also Storm Drain Sample Location
SSPDSG034	Surface Grading	Composite	7 , 12 and 24 Inches	2440 Euclid West	1/4/2011	45	2.60E+02	Also Storm Drain Sample Location
SSPDSG035	Surface Grading	Composite	8 , 12 and 24 Inches	2442 Euclid West	1/4/2011	55	2.60E+02	Also Storm Drain Sample Location
SSPDSG036	Surface Grading	Composite	9 , 12 and 24 Inches	2444 Euclid NW	1/4/2011	84	2.60E+02	Also Storm Drain Sample Location
SSPDSG037	Surface Grading	Composite	10 , 12 and 24 Inches	2456 Euclid NW	1/4/2011	82	2.60E+02	Also Storm Drain Sample Location
SSPDSG038	Surface Grading	Composite	11 , 12 and 24 Inches	2456 Euclid NE	1/4/2011	70	2.60E+02	Also Storm Drain Sample Location
SSPDSG039	Surface Grading	Composite	12 , 12 and 24 Inches	2460 Euclid NW	1/4/2011	57	2.60E+02	Also Storm Drain Sample Location
SSPDSG040	Surface Grading	Composite	13 , 12 and 24 Inches	2460 Euclid NE	1/4/2011	54	2.60E+02	Also Storm Drain Sample Location

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RIVERFRONT ENVIRONMENTAL

Sample Log

Client: McCormack Baron Salazar **Date:** 2/2/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Surficial Sampling

Sample No. (Budgeted 75 samples)	Description	Grab/ Composite	Composite Depths	Location	Date Collected	Lab Results Lead mg/kg	MRBCA Tier 1 RBTLs Soil Type I, Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact Indoor Inhalation of Vapor Emissions	Comment
SSPDSG041	Surface Grading	Composite	1 to 12 Inches	2100 East 25th Street East	1/4/2011	370	2.60E+02	
SSPDSG042	Surface Grading	Composite	1 to 12 Inches	2457 Garfield SW	1/4/2011	430	2.60E+02	
SSPDSG043	Surface Grading	Composite	1 to 12 Inches	2453 Garfield SW	1/4/2011	400	2.60E+02	
SSPDSG044	Surface Grading	Composite	1 to 12 Inches	2449 Garfield East	1/4/2011	460	2.60E+02	
SSPDSG045	Surface Grading	Composite	1 to 12 Inches	2445 Garfield NE	1/4/2011	490	2.60E+02	
SSPDSG046	Surface Grading	Composite	1 to 12 Inches	2445 Garfield NW	1/4/2011	330	2.60E+02	
SSPDSG047	Surface Grading	Composite	1 to 12 Inches	2008 E. 24th Terrace South	1/4/2011	350	2.60E+02	
SSPDSG048	Surface Grading	Composite	1 to 12 Inches	2440 Garfield Far West of lot	1/4/2011	510	2.60E+02	
SSPDSG049	Surface Grading	Composite	1 to 12 Inches	2448 Garfield Far West of lot	1/4/2011	420	2.60E+02	
SSPDSG050	Surface Grading	Composite	1 to 12 Inches	2449 Euclid Far NE of lot	1/4/2011	380	2.60E+02	
SSPDSG051	Surface Grading	Composite	1 to 12 Inches	1908 E. 24th Street SE	1/4/2011	480	2.60E+02	
SSPDSG052	Surface Grading	Composite	1 to 12 Inches	1908 E. 24th Street SW	1/4/2011	500	2.60E+02	
SSPDSG053	Surface Grading	Composite	1 to 12 Inches	1908 E. 24th Street West	1/4/2011	420	2.60E+02	
SSPDSG054	Surface Grading	Composite	1 to 12 Inches	1904 E. 24th Street South	1/4/2011	420	2.60E+02	
SSPDSG055	Surface Grading	Composite	1 to 12 Inches	1904 E. 24th Street NW	1/4/2011	550	2.60E+02	
SSPDSG056	Surface Grading	Composite	1 to 12 Inches	2323 Michigan NE	1/4/2011	520	2.60E+02	

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RIVERFRONT ENVIRONMENTAL

APPENDIX E

SIDEWALK LEAD SAMPLE LOG

Sample Log

Client: McCormack Baron Salazar **Date:** 2/2/2011 **Project No.** 5938-03

Address: Oakland Heights, Kansas City, MO **Sampler:** COX **Project Name:** Surficial Sampling-Sidewalk

Sample No. (Budgeted 3 samples)	Description	Grab/ Composite	Composite Depths	Location	Date Collected	Lab Results Lead (ppm)	MRBCA Tier 1 RBTLs Soil Type I Ingestion, Inhalation (Vapor Emissions and Particulates), and Dermal Contact Indoor Inhalation of Vapor Emissions
SSPDWALK001	Sidewalk	Composite	1-2 and 12 Inches	SW walk of 2445 Michigan-East	1/6/2011	31	2.60E+02
SSPDWALK002	Sidewalk	Composite	1-2 and 12 Inches	SW walk of 2445 Michigan-Center	1/6/2011	35	2.60E+02
SSPDWALK003	Sidewalk	Composite	1-2 and 12 Inches	SW walk of 2445 Michigan-West	1/6/2011	32	2.60E+02

1139 Olive St., Ste. 300 - St. Louis, MO 63101
Ph. 314-436-9492 - Fx. 314-436-9733

APPENDIX F

LABORATORY RESULTS

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

January 10, 2011

Craig Lanouette
Riverfront Environmental, Inc.
1139 Olive, Suite 300
St. Louis, MO 63101
TEL: (314) 436-9492
FAX: (314) 436-9733

NELAP Accredited #100226

RE: Oakland Heights 5938-03 **WorkOrder:** 11010096

Dear Craig Lanouette:

TEKLAB, INC received 8 samples on 1/5/2011 8:24:00 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,

Richard H. Mannz
Project Manager
(618)344-1004 ex 38

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-03
LabOrder: 11010096
Report Date: 10-Jan-11

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 | LA: NELAP #166493

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL
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: Riverfront Environmental, Inc.
WorkOrder: 11010096
Lab ID: 11010096-001
Report Date: 10-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSQH002
Collection Date: 1/4/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**11.7**	%	1	1/5/2011 11:00:00 AM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**88.3**	%	1	1/5/2011 11:00:00 AM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.0768		**0.123**	mg/Kg-dry	2	1/6/2011 6:34:00 PM	TV
Anthracene	NELAP	0.0768		**0.356**	mg/Kg-dry	2	1/6/2011 6:34:00 PM	TV
Benzo(a)anthracene	NELAP	0.0768		**1.33**	mg/Kg-dry	2	1/6/2011 6:34:00 PM	TV
Benzo(a)pyrene	NELAP	0.0768		**1.27**	mg/Kg-dry	2	1/6/2011 6:34:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.0768		**2.00**	mg/Kg-dry	2	1/6/2011 6:34:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.0768		**0.640**	mg/Kg-dry	2	1/6/2011 6:34:00 PM	TV
Chrysene	NELAP	0.0768		**1.39**	mg/Kg-dry	2	1/6/2011 6:34:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.0768		**0.160**	mg/Kg-dry	2	1/6/2011 6:34:00 PM	TV
Fluoranthene	NELAP	0.0768		**2.77**	mg/Kg-dry	2	1/6/2011 6:34:00 PM	TV
Fluorene	NELAP	0.0768		**0.124**	mg/Kg-dry	2	1/6/2011 6:34:00 PM	TV
Pyrene	NELAP	0.0768		**2.51**	mg/Kg-dry	2	1/6/2011 6:34:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**80.9**	%REC	2	1/6/2011 6:34:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**77.2**	%REC	2	1/6/2011 6:34:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**90.8**	%REC	2	1/6/2011 6:34:00 PM	TV

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: Riverfront Environmental, Inc.
WorkOrder: 11010096
Lab ID: 11010096-002
Report Date: 10-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSQH054
Collection Date: 1/4/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**20.7**	%	1	1/5/2011 11:00:00 AM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**79.3**	%	1	1/5/2011 11:00:00 AM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.0427		**ND**	mg/Kg-dry	1	1/6/2011 8:03:00 PM	TV
Anthracene	NELAP	0.0427		**0.0858**	mg/Kg-dry	1	1/6/2011 8:03:00 PM	TV
Benzo(a)anthracene	NELAP	0.0427		**0.472**	mg/Kg-dry	1	1/6/2011 8:03:00 PM	TV
Benzo(a)pyrene	NELAP	0.0427		**0.443**	mg/Kg-dry	1	1/6/2011 8:03:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.0427		**0.628**	mg/Kg-dry	1	1/6/2011 8:03:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.0427		**0.247**	mg/Kg-dry	1	1/6/2011 8:03:00 PM	TV
Chrysene	NELAP	0.0427		**0.464**	mg/Kg-dry	1	1/6/2011 8:03:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.0427		**0.0590**	mg/Kg-dry	1	1/6/2011 8:03:00 PM	TV
Fluoranthene	NELAP	0.0427		**0.845**	mg/Kg-dry	1	1/6/2011 8:03:00 PM	TV
Fluorene	NELAP	0.0427		**ND**	mg/Kg-dry	1	1/6/2011 8:03:00 PM	TV
Pyrene	NELAP	0.0427		**0.769**	mg/Kg-dry	1	1/6/2011 8:03:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**60.6**	%REC	1	1/6/2011 8:03:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**59.4**	%REC	1	1/6/2011 8:03:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**73.9**	%REC	1	1/6/2011 8:03:00 PM	TV

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: Riverfront Environmental, Inc.
WorkOrder: 11010096
Lab ID: 11010096-003
Report Date: 10-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSQH73
Collection Date: 1/4/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**14.7**	%	1	1/5/2011 11:00:00 AM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**85.3**	%	1	1/5/2011 11:00:00 AM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.996		**2.11**	mg/Kg-dry	25	1/6/2011 4:46:00 PM	TV
Anthracene	NELAP	0.996		**4.67**	mg/Kg-dry	25	1/6/2011 4:46:00 PM	TV
Benzo(a)anthracene	NELAP	0.996		**13.0**	mg/Kg-dry	25	1/6/2011 4:46:00 PM	TV
Benzo(a)pyrene	NELAP	0.996		**11.2**	mg/Kg-dry	25	1/6/2011 4:46:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.996		**17.5**	mg/Kg-dry	25	1/6/2011 4:46:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.996		**5.96**	mg/Kg-dry	25	1/6/2011 4:46:00 PM	TV
Chrysene	NELAP	0.996		**12.6**	mg/Kg-dry	25	1/6/2011 4:46:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.996		**1.51**	mg/Kg-dry	25	1/6/2011 4:46:00 PM	TV
Fluoranthene	NELAP	0.996		**28.1**	mg/Kg-dry	25	1/6/2011 4:46:00 PM	TV
Fluorene	NELAP	0.996		**1.75**	mg/Kg-dry	25	1/6/2011 4:46:00 PM	TV
Pyrene	NELAP	0.996		**23.6**	mg/Kg-dry	25	1/6/2011 4:46:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**82.8**	%REC	25	1/6/2011 4:46:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**76.3**	%REC	25	1/6/2011 4:46:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**97.8**	%REC	25	1/6/2011 4:46:00 PM	TV

Sample Narrative

SW-846 3550B, 8270C 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: Riverfront Environmental, Inc.
WorkOrder: 11010096
Lab ID: 11010096-004
Report Date: 10-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSQH102
Collection Date: 1/4/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**18.9**	%	1	1/5/2011 11:00:00 AM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**81.1**	%	1	1/5/2011 11:00:00 AM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	1.04		**ND**	mg/Kg-dry	25	1/6/2011 3:25:00 PM	TV
Anthracene	NELAP	1.04		**ND**	mg/Kg-dry	25	1/6/2011 3:25:00 PM	TV
Benzo(a)anthracene	NELAP	1.04		**2.96**	mg/Kg-dry	25	1/6/2011 3:25:00 PM	TV
Benzo(a)pyrene	NELAP	1.04		**2.78**	mg/Kg-dry	25	1/6/2011 3:25:00 PM	TV
Benzo(b)fluoranthene	NELAP	1.04		**4.32**	mg/Kg-dry	25	1/6/2011 3:25:00 PM	TV
Benzo(k)fluoranthene	NELAP	1.04		**1.56**	mg/Kg-dry	25	1/6/2011 3:25:00 PM	TV
Chrysene	NELAP	1.04		**3.07**	mg/Kg-dry	25	1/6/2011 3:25:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	1.04		**ND**	mg/Kg-dry	25	1/6/2011 3:25:00 PM	TV
Fluoranthene	NELAP	1.04		**6.63**	mg/Kg-dry	25	1/6/2011 3:25:00 PM	TV
Fluorene	NELAP	1.04		**ND**	mg/Kg-dry	25	1/6/2011 3:25:00 PM	TV
Pyrene	NELAP	1.04		**5.51**	mg/Kg-dry	25	1/6/2011 3:25:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**85.3**	%REC	25	1/6/2011 3:25:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**80.8**	%REC	25	1/6/2011 3:25:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**95.8**	%REC	25	1/6/2011 3:25:00 PM	TV

Sample Narrative

SW-846 3550B, 8270C Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit(s) due to sample extract composition.

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010096
Lab ID: 11010096-005
Report Date: 10-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSQH117
Collection Date: 1/4/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**17.9**	%	1	1/5/2011 11:00:00 AM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**82.1**	%	1	1/5/2011 11:00:00 AM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.413		**0.854**	mg/Kg-dry	10	1/6/2011 3:52:00 PM	TV
Anthracene	NELAP	0.413		**3.07**	mg/Kg-dry	10	1/6/2011 3:52:00 PM	TV
Benzo(a)anthracene	NELAP	0.413		**6.55**	mg/Kg-dry	10	1/6/2011 3:52:00 PM	TV
Benzo(a)pyrene	NELAP	0.413		**5.54**	mg/Kg-dry	10	1/6/2011 3:52:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.413		**8.68**	mg/Kg-dry	10	1/6/2011 3:52:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.413		**3.72**	mg/Kg-dry	10	1/6/2011 3:52:00 PM	TV
Chrysene	NELAP	0.413		**7.43**	mg/Kg-dry	10	1/6/2011 3:52:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.413		**0.838**	mg/Kg-dry	10	1/6/2011 3:52:00 PM	TV
Fluoranthene	NELAP	0.413		**15.5**	mg/Kg-dry	10	1/6/2011 3:52:00 PM	TV
Fluorene	NELAP	0.413		**0.846**	mg/Kg-dry	10	1/6/2011 3:52:00 PM	TV
Pyrene	NELAP	0.413		**13.0**	mg/Kg-dry	10	1/6/2011 3:52:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**79.0**	%REC	10	1/6/2011 3:52:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**74.9**	%REC	10	1/6/2011 3:52:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**90.4**	%REC	10	1/6/2011 3:52:00 PM	TV

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: Riverfront Environmental, Inc.
WorkOrder: 11010096
Lab ID: 11010096-006
Report Date: 10-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSQH136
Collection Date: 1/4/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**19.5**	%	1	1/5/2011 11:00:00 AM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**80.5**	%	1	1/5/2011 11:00:00 AM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.0421		**ND**	mg/Kg-dry	1	1/6/2011 4:19:00 PM	TV
Anthracene	NELAP	0.0421		**0.109**	mg/Kg-dry	1	1/6/2011 4:19:00 PM	TV
Benzo(a)anthracene	NELAP	0.0421		**0.418**	mg/Kg-dry	1	1/6/2011 4:19:00 PM	TV
Benzo(a)pyrene	NELAP	0.0421		**0.378**	mg/Kg-dry	1	1/6/2011 4:19:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.0421		**0.614**	mg/Kg-dry	1	1/6/2011 4:19:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.0421		**0.252**	mg/Kg-dry	1	1/6/2011 4:19:00 PM	TV
Chrysene	NELAP	0.0421		**0.456**	mg/Kg-dry	1	1/6/2011 4:19:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.0421		**0.0616**	mg/Kg-dry	1	1/6/2011 4:19:00 PM	TV
Fluoranthene	NELAP	0.0421		**0.858**	mg/Kg-dry	1	1/6/2011 4:19:00 PM	TV
Fluorene	NELAP	0.0421		**ND**	mg/Kg-dry	1	1/6/2011 4:19:00 PM	TV
Pyrene	NELAP	0.0421		**0.769**	mg/Kg-dry	1	1/6/2011 4:19:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**72.4**	%REC	1	1/6/2011 4:19:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**69.0**	%REC	1	1/6/2011 4:19:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**79.1**	%REC	1	1/6/2011 4:19:00 PM	TV

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: Riverfront Environmental, Inc.
WorkOrder: 11010096
Lab ID: 11010096-007
Report Date: 10-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSQH139
Collection Date: 1/4/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**25.5**	%	1	1/5/2011 11:00:00 AM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**74.5**	%	1	1/5/2011 11:00:00 AM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.453		**ND**	mg/Kg-dry	10	1/7/2011 6:32:00 PM	TV
Anthracene	NELAP	0.453		**0.484**	mg/Kg-dry	10	1/7/2011 6:32:00 PM	TV
Benzo(a)anthracene	NELAP	0.453		**1.94**	mg/Kg-dry	10	1/7/2011 6:32:00 PM	TV
Benzo(a)pyrene	NELAP	0.453		**1.81**	mg/Kg-dry	10	1/7/2011 6:32:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.453		**2.45**	mg/Kg-dry	10	1/7/2011 6:32:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.453		**0.923**	mg/Kg-dry	10	1/7/2011 6:32:00 PM	TV
Chrysene	NELAP	0.453		**1.74**	mg/Kg-dry	10	1/7/2011 6:32:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.453		**ND**	mg/Kg-dry	10	1/7/2011 6:32:00 PM	TV
Fluoranthene	NELAP	0.453		**3.84**	mg/Kg-dry	10	1/7/2011 6:32:00 PM	TV
Fluorene	NELAP	0.453		**ND**	mg/Kg-dry	10	1/7/2011 6:32:00 PM	TV
Pyrene	NELAP	0.453		**3.69**	mg/Kg-dry	10	1/7/2011 6:32:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**79.0**	%REC	10	1/7/2011 6:32:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**76.0**	%REC	10	1/7/2011 6:32:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**93.0**	%REC	10	1/7/2011 6:32:00 PM	TV

Sample Narrative

SW-846 3550B, 8270C Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit(s) due to sample extract composition.

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010096
Lab ID: 11010096-008
Report Date: 10-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSQH156
Collection Date: 1/4/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**21.6**	%	1	1/5/2011 11:00:00 AM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**78.4**	%	1	1/5/2011 11:00:00 AM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.434		**1.23**	mg/Kg-dry	10	1/7/2011 6:59:00 PM	TV
Anthracene	NELAP	0.434		**2.92**	mg/Kg-dry	10	1/7/2011 6:59:00 PM	TV
Benzo(a)anthracene	NELAP	0.434		**5.18**	mg/Kg-dry	10	1/7/2011 6:59:00 PM	TV
Benzo(a)pyrene	NELAP	0.434		**4.03**	mg/Kg-dry	10	1/7/2011 6:59:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.434		**5.52**	mg/Kg-dry	10	1/7/2011 6:59:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.434		**2.29**	mg/Kg-dry	10	1/7/2011 6:59:00 PM	TV
Chrysene	NELAP	0.434		**4.76**	mg/Kg-dry	10	1/7/2011 6:59:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.434		**0.701**	mg/Kg-dry	10	1/7/2011 6:59:00 PM	TV
Fluoranthene	NELAP	0.434		**11.5**	mg/Kg-dry	10	1/7/2011 6:59:00 PM	TV
Fluorene	NELAP	0.434		**1.33**	mg/Kg-dry	10	1/7/2011 6:59:00 PM	TV
Pyrene	NELAP	0.434		**9.40**	mg/Kg-dry	10	1/7/2011 6:59:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**74.5**	%REC	10	1/7/2011 6:59:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**70.9**	%REC	10	1/7/2011 6:59:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**85.6**	%REC	10	1/7/2011 6:59:00 PM	TV

Sample Narrative

SW-846 3550B, 8270C Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to sample composition.

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.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample 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.

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: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-03
Lab Order: 11010096 **Report Date:** *10-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TS_M_MT

Sample ID: **LCS-R144288** SampType: **LCS** Units: **%** Prep Date: RunNo: **144288**
Client ID: **ZZZZZZ** Batch ID: **R144288** Analysis Date: **1/5/2011** SeqNo: **2833665**

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: **LCSQC-R144288** SampType: **LCSQC** Units: **%** Prep Date: RunNo: **144288**
Client ID: **ZZZZZZ** Batch ID: **R144288** Analysis Date: **1/5/2011** SeqNo: **2833666**

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: **11010094-006BDUP** SampType: **DUP** Units: **%** Prep Date: RunNo: **144288**
Client ID: **ZZZZZZ** Batch ID: **R144288** Analysis Date: **1/5/2011** SeqNo: **2833673**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	78.9	0.1						78.05	1.06	15	

Sample ID: **11010096-004ADUP** SampType: **DUP** Units: **%** Prep Date: RunNo: **144288**
Client ID: **SSQH102DUP** Batch ID: **R144288** Analysis Date: **1/5/2011** SeqNo: **2833687**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	81.3	0.1						81.07	0.259	15	

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-03
Lab Order: 11010096 **Report Date:** *10-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_TPH_DRO_S

Sample ID: **MB-65270** SampType: **MBLK** Units: **mg/Kg** Prep Date: **1/5/2011** RunNo: **144319**
Client ID: **ZZZZZZ** Batch ID: **65270** **SW3550B** Analysis Date: **1/6/2011** SeqNo: **2834264**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0340									
Anthracene	ND	0.0340									
Benzo(a)anthracene	ND	0.0340									
Benzo(a)pyrene	ND	0.0340									
Benzo(b)fluoranthene	ND	0.0340									
Benzo(k)fluoranthene	ND	0.0340									
Chrysene	ND	0.0340									
Dibenzo(a,h)anthracene	ND	0.0340									
Fluoranthene	ND	0.0340									
Fluorene	ND	0.0340									
Pyrene	ND	0.0340									
Surr: 2-Fluorobiphenyl	0.659		0.8350		78.9	46.3	106				
Surr: Nitrobenzene-d5	0.625		0.8350		74.9	42.4	99.2				
Surr: p-Terphenyl-d14	0.744		0.8350		89.1	45.5	115				

Sample ID: **LCS-65270** SampType: **LCS** Units: **mg/Kg** Prep Date: **1/5/2011** RunNo: **144319**
Client ID: **ZZZZZZ** Batch ID: **65270** **SW3550B** Analysis Date: **1/6/2011** SeqNo: **2834265**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1.35	0.0340	1.670	0	80.9	50.8	113				
Anthracene	1.30	0.0340	1.670	0	77.6	53.3	115				
Benzo(a)anthracene	1.40	0.0340	1.670	0	83.7	62.3	110				
Benzo(a)pyrene	1.37	0.0340	1.670	0	82.1	58.2	109				
Benzo(b)fluoranthene	1.43	0.0340	1.670	0	85.5	51.8	107				
Benzo(k)fluoranthene	1.43	0.0340	1.670	0	85.8	63.1	129				
Chrysene	1.44	0.0340	1.670	0	85.9	58.4	115				
Dibenzo(a,h)anthracene	1.51	0.0340	1.670	0	90.5	54.9	120				
Fluoranthene	1.34	0.0340	1.670	0	80.5	61.6	113				
Fluorene	1.42	0.0340	1.670	0	84.9	52.2	116				
Pyrene	1.40	0.0340	1.670	0	83.9	60.7	115				
Surr: 2-Fluorobiphenyl	0.659		0.8350		78.9	46.3	106				

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-03
Lab Order: 11010096 **Report Date:** *10-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_TPH_DRO_S

Sample ID: **LCS-65270** SampType: **LCS** Units: **mg/Kg** Prep Date: **1/5/2011** RunNo: **144319**
Client ID: **ZZZZZZ** Batch ID: **65270** **SW3550B** Analysis Date: **1/6/2011** SeqNo: **2834265**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	0.651		0.8350		78.0	42.4	99.2				
Surr: p-Terphenyl-d14	0.749		0.8350		89.7	45.5	115				

Sample ID: **LCSDRO-65270** SampType: **LCS** Units: **%REC** Prep Date: **1/5/2011** RunNo: **144319**
Client ID: **ZZZZZZ** Batch ID: **65270** **SW3550B** Analysis Date: **1/6/2011** SeqNo: **2834266**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	0.684		0.8350		82.0	46.3	106				
Surr: Nitrobenzene-d5	0.618		0.8350		74.1	42.4	99.2				
Surr: p-Terphenyl-d14	0.795		0.8350		95.2	45.5	115				

Sample ID: **11010094-001AMS** SampType: **MS** Units: **%REC** Prep Date: **1/5/2011** RunNo: **144319**
Client ID: **ZZZZZZ** Batch ID: **65270** **SW3550B** Analysis Date: **1/6/2011** SeqNo: **2834268**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	0.799		0.9604		83.2	12	133				
Surr: Nitrobenzene-d5	0.743		0.9604		77.4	30.9	115				
Surr: p-Terphenyl-d14	0.852		0.9604		88.7	31.5	137				

Sample ID: **11010094-001AMSD** SampType: **MSD** Units: **%REC** Prep Date: **1/5/2011** RunNo: **144319**
Client ID: **ZZZZZZ** Batch ID: **65270** **SW3550B** Analysis Date: **1/6/2011** SeqNo: **2834269**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	0.742		0.9581		77.4	12	133		0	0	
Surr: Nitrobenzene-d5	0.683		0.9581		71.3	30.9	115		0	0	
Surr: p-Terphenyl-d14	0.851		0.9581		88.9	31.5	137		0	0	

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-03
Lab Order: 11010096 **Report Date:** *10-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_TPH_DRO_S

Sample ID: **MB-65299** SampType: **MBLK** Units: **mg/Kg** Prep Date: **1/6/2011** RunNo: **144372**
Client ID: **ZZZZZZ** Batch ID: **65299** **SW3550B** Analysis Date: **1/7/2011** SeqNo: **2835318**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0340									
Anthracene	ND	0.0340									
Benzo(a)anthracene	ND	0.0340									
Benzo(a)pyrene	ND	0.0340									
Benzo(b)fluoranthene	ND	0.0340									
Benzo(k)fluoranthene	ND	0.0340									
Chrysene	ND	0.0340									
Dibenzo(a,h)anthracene	ND	0.0340									
Fluoranthene	ND	0.0340									
Fluorene	ND	0.0340									
Pyrene	ND	0.0340									
Surr: 2-Fluorobiphenyl	0.721		0.8350		86.3	46.3	106				
Surr: Nitrobenzene-d5	0.731		0.8350		87.5	42.4	99.2				
Surr: p-Terphenyl-d14	0.822		0.8350		98.4	45.5	115				

Sample ID: **LCS-65299** SampType: **LCS** Units: **mg/Kg** Prep Date: **1/6/2011** RunNo: **144372**
Client ID: **ZZZZZZ** Batch ID: **65299** **SW3550B** Analysis Date: **1/7/2011** SeqNo: **2835319**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1.32	0.0340	1.670	0	78.8	50.8	113				
Anthracene	1.32	0.0340	1.670	0	79.2	53.3	115				
Benzo(a)anthracene	1.42	0.0340	1.670	0	85.2	62.3	110				
Benzo(a)pyrene	1.40	0.0340	1.670	0	83.5	58.2	109				
Benzo(b)fluoranthene	1.39	0.0340	1.670	0	83.2	51.8	107				
Benzo(k)fluoranthene	1.43	0.0340	1.670	0	85.4	63.1	129				
Chrysene	1.41	0.0340	1.670	0	84.3	58.4	115				
Dibenzo(a,h)anthracene	1.50	0.0340	1.670	0	89.8	54.9	120				
Fluoranthene	1.39	0.0340	1.670	0	83.5	61.6	113				
Fluorene	1.40	0.0340	1.670	0	84.1	52.2	116				
Pyrene	1.44	0.0340	1.670	0	86.4	60.7	115				
Surr: 2-Fluorobiphenyl	0.681		0.8350		81.6	46.3	106				

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-03
Lab Order: 11010096 **Report Date:** *10-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_TPH_DRO_S

Sample ID: **LCS-65299** SampType: **LCS** Units: **mg/Kg** Prep Date: **1/6/2011** RunNo: **144372**
Client ID: **ZZZZZZ** Batch ID: **65299** **SW3550B** Analysis Date: **1/7/2011** SeqNo: **2835319**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	0.652		0.8350		78.0	42.4	99.2				
Surr: p-Terphenyl-d14	0.752		0.8350		90.0	45.5	115				

Sample ID: **LCSDRO-65299** SampType: **LCS** Units: **%REC** Prep Date: **1/6/2011** RunNo: **144372**
Client ID: **ZZZZZZ** Batch ID: **65299** **SW3550B** Analysis Date: **1/7/2011** SeqNo: **2835320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	0.742		0.8350		88.9	46.3	106				
Surr: Nitrobenzene-d5	0.658		0.8350		78.8	42.4	99.2				
Surr: p-Terphenyl-d14	0.795		0.8350		95.2	45.5	115				

Sample ID: **11010158-001AMS** SampType: **MS** Units: **%REC** Prep Date: **1/6/2011** RunNo: **144372**
Client ID: **ZZZZZZ** Batch ID: **65299** **SW3550B** Analysis Date: **1/7/2011** SeqNo: **2835322**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	2.00		2.276		87.7	12	133				
Surr: Nitrobenzene-d5	1.93		2.276		84.8	30.9	115				
Surr: p-Terphenyl-d14	2.18		2.276		95.6	31.5	137				

Sample ID: **11010158-001AMSD** SampType: **MSD** Units: **%REC** Prep Date: **1/6/2011** RunNo: **144372**
Client ID: **ZZZZZZ** Batch ID: **65299** **SW3550B** Analysis Date: **1/7/2011** SeqNo: **2835323**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	1.89		2.282		82.8	12	133		0	0	
Surr: Nitrobenzene-d5	1.72		2.282		75.2	30.9	115		0	0	
Surr: p-Terphenyl-d14	2.12		2.282		93.0	31.5	137		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: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-03
Lab Order: 11010096
Report Date: 10-Jan-11

Carrier: FedEx

Received By: EAH

Completed by: Dawn Brantley
On: 05-Jan-11

Reviewed by: Elizabeth A. Hurley
On: 05-Jan-11

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
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 - vials have zero headspace?	Yes ☐	No ☐	No VOA vials	☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐		

Any No responses must be detailed below or on the COC.

CHAIN OF CUSTODY

pg. 1 of 1 Work Order # 1101 0096

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: RIVERFRONT ENV.
Address: 1139 OLIVE, SUITE 300
City / State / Zip: ST. LOUIS, MO 63101
Contact: C. LANGUETTE Phone:
E-Mail: Fax:

Samples on: ☒ Ice ☐ Blue Ice ☐ No Ice 2.8 °C
Preserved in: ☐ Lab ☐ Field FOR LAB USE ONLY
Lab Notes: Date corrected in Lims QB 1/5/11 (collection date) -1/4/11 SAH 1/5/11
Comments: MRBCA

- Are these samples known to be involved in litigation? If yes, a surcharge will apply. ☐ Yes ☐ No
- Are these samples known to be hazardous? ☐ Yes ☐ No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. ☐ Yes ☐ No

Project Name / Number: 5938-03
Sample Collector's Name: CAL
Results Requested: ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other_____ ☐ 3 Day (50% Surcharge)
Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO_3	NaOH	H_2SO_4	HCL	MeOH	$NaHSO_4$	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	PAH 8270
1101 0096 -001	SSQH002	1-4-10	X										X			X
002	SSQH054		X										X			X
003	SSQH73		X										X			X
004	SSQH102		X										X			X
005	SSQH117		X										X			X
006	SSQH136		X										X			X
007	SSQH139		X										X			X
008	SSQH156		X										X			X

Relinquished By	Date / Time	Received By	Date / Time
X [signature]		Dan Thompson-Taylor	1-4-01 4:30pm
		Elizabeth A Hurley (FedEx)	1/5/11 0824

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE & YELLOW – LAB PINK – SAMPLER'S COPY

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

January 11, 2011

Craig Lanouette
Riverfront Environmental, Inc.
1139 Olive, Suite 300
St. Louis, MO 63101
TEL: (314) 436-9492
FAX: (314) 436-9733

NELAP Accredited #100226

RE: Oakland Heights 5938-03 **WorkOrder:** 11010181

Dear Craig Lanouette:

TEKLAB, INC received 14 samples on 1/6/2011 11:27:00 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,

Richard H. Mannz
Project Manager
(618)344-1004 ex 38

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-03
LabOrder: 11010181
Report Date: 11-Jan-11

CASE NARRATIVE

Cooler Receipt Temp: 1.8 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0 | LA: NELAP #166493

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL
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: Riverfront Environmental, Inc.
WorkOrder: 11010181
Lab ID: 11010181-001
Report Date: 11-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSBS015
Collection Date: 1/5/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**10.0**	%	1	1/6/2011 1:00:00 PM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**90.0**	%	1	1/6/2011 1:00:00 PM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.373		**ND**	mg/Kg-dry	10	1/7/2011 8:58:00 PM	TV
Anthracene	NELAP	0.373		**ND**	mg/Kg-dry	10	1/7/2011 8:58:00 PM	TV
Benzo(a)anthracene	NELAP	0.373		**1.15**	mg/Kg-dry	10	1/7/2011 8:58:00 PM	TV
Benzo(a)pyrene	NELAP	0.373		**1.02**	mg/Kg-dry	10	1/7/2011 8:58:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.373		**1.35**	mg/Kg-dry	10	1/7/2011 8:58:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.373		**0.483**	mg/Kg-dry	10	1/7/2011 8:58:00 PM	TV
Chrysene	NELAP	0.373		**1.08**	mg/Kg-dry	10	1/7/2011 8:58:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.373		**ND**	mg/Kg-dry	10	1/7/2011 8:58:00 PM	TV
Fluoranthene	NELAP	0.373		**2.20**	mg/Kg-dry	10	1/7/2011 8:58:00 PM	TV
Fluorene	NELAP	0.373		**ND**	mg/Kg-dry	10	1/7/2011 8:58:00 PM	TV
Pyrene	NELAP	0.373		**1.97**	mg/Kg-dry	10	1/7/2011 8:58:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**57.5**	%REC	10	1/7/2011 8:58:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**53.9**	%REC	10	1/7/2011 8:58:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**64.9**	%REC	10	1/7/2011 8:58:00 PM	TV

Sample Narrative

SW-846 3550B, 8270C Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit(s) due to sample extract composition.

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010181
Lab ID: 11010181-002
Report Date: 11-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSBS019
Collection Date: 1/5/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**14.5**	%	1	1/6/2011 1:00:00 PM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**85.5**	%	1	1/6/2011 1:00:00 PM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.196		**ND**	mg/Kg-dry	5	1/7/2011 9:26:00 PM	TV
Anthracene	NELAP	0.196		**ND**	mg/Kg-dry	5	1/7/2011 9:26:00 PM	TV
Benzo(a)anthracene	NELAP	0.196		**0.764**	mg/Kg-dry	5	1/7/2011 9:26:00 PM	TV
Benzo(a)pyrene	NELAP	0.196		**0.708**	mg/Kg-dry	5	1/7/2011 9:26:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.196		**1.06**	mg/Kg-dry	5	1/7/2011 9:26:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.196		**0.287**	mg/Kg-dry	5	1/7/2011 9:26:00 PM	TV
Chrysene	NELAP	0.196		**0.796**	mg/Kg-dry	5	1/7/2011 9:26:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.196		**ND**	mg/Kg-dry	5	1/7/2011 9:26:00 PM	TV
Fluoranthene	NELAP	0.196		**1.42**	mg/Kg-dry	5	1/7/2011 9:26:00 PM	TV
Fluorene	NELAP	0.196		**ND**	mg/Kg-dry	5	1/7/2011 9:26:00 PM	TV
Pyrene	NELAP	0.196		**1.28**	mg/Kg-dry	5	1/7/2011 9:26:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**60.8**	%REC	5	1/7/2011 9:26:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**53.2**	%REC	5	1/7/2011 9:26:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**61.9**	%REC	5	1/7/2011 9:26:00 PM	TV

Sample Narrative

SW-846 3550B, 8270C Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit(s) due to sample extract composition.

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010181
Lab ID: 11010181-003
Report Date: 11-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSBS021
Collection Date: 1/5/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**21.7**	%	1	1/6/2011 1:00:00 PM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**78.3**	%	1	1/6/2011 1:00:00 PM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.214		**ND**	mg/Kg-dry	5	1/7/2011 9:55:00 PM	TV
Anthracene	NELAP	0.214		**ND**	mg/Kg-dry	5	1/7/2011 9:55:00 PM	TV
Benzo(a)anthracene	NELAP	0.214		**ND**	mg/Kg-dry	5	1/7/2011 9:55:00 PM	TV
Benzo(a)pyrene	NELAP	0.214		**ND**	mg/Kg-dry	5	1/7/2011 9:55:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.214		**0.250**	mg/Kg-dry	5	1/7/2011 9:55:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.214		**ND**	mg/Kg-dry	5	1/7/2011 9:55:00 PM	TV
Chrysene	NELAP	0.214		**ND**	mg/Kg-dry	5	1/7/2011 9:55:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.214		**ND**	mg/Kg-dry	5	1/7/2011 9:55:00 PM	TV
Fluoranthene	NELAP	0.214		**0.275**	mg/Kg-dry	5	1/7/2011 9:55:00 PM	TV
Fluorene	NELAP	0.214		**ND**	mg/Kg-dry	5	1/7/2011 9:55:00 PM	TV
Pyrene	NELAP	0.214		**0.235**	mg/Kg-dry	5	1/7/2011 9:55:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**64.2**	%REC	5	1/7/2011 9:55:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**56.5**	%REC	5	1/7/2011 9:55:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**62.7**	%REC	5	1/7/2011 9:55:00 PM	TV

Sample Narrative

SW-846 3550B, 8270C Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit(s) due to sample extract composition.

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010181
Lab ID: 11010181-004
Report Date: 11-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSBS026
Collection Date: 1/5/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**36.7**	%	1	1/6/2011 1:00:00 PM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**63.3**	%	1	1/6/2011 1:00:00 PM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.0528		**ND**	mg/Kg-dry	1	1/7/2011 10:24:00 PM	TV
Anthracene	NELAP	0.0528		**ND**	mg/Kg-dry	1	1/7/2011 10:24:00 PM	TV
Benzo(a)anthracene	NELAP	0.0528		**0.0916**	mg/Kg-dry	1	1/7/2011 10:24:00 PM	TV
Benzo(a)pyrene	NELAP	0.0528		**0.0817**	mg/Kg-dry	1	1/7/2011 10:24:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.0528		**0.125**	mg/Kg-dry	1	1/7/2011 10:24:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.0528		**ND**	mg/Kg-dry	1	1/7/2011 10:24:00 PM	TV
Chrysene	NELAP	0.0528		**0.0823**	mg/Kg-dry	1	1/7/2011 10:24:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.0528		**ND**	mg/Kg-dry	1	1/7/2011 10:24:00 PM	TV
Fluoranthene	NELAP	0.0528		**0.182**	mg/Kg-dry	1	1/7/2011 10:24:00 PM	TV
Fluorene	NELAP	0.0528		**ND**	mg/Kg-dry	1	1/7/2011 10:24:00 PM	TV
Pyrene	NELAP	0.0528		**0.146**	mg/Kg-dry	1	1/7/2011 10:24:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**60.3**	%REC	1	1/7/2011 10:24:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**53.5**	%REC	1	1/7/2011 10:24:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**73.6**	%REC	1	1/7/2011 10:24:00 PM	TV

Sample Narrative

SW-846 3550B, 8270C Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit(s) due to sample extract composition.

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010181
Lab ID: 11010181-005
Report Date: 11-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSBS029
Collection Date: 1/5/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**12.9**	%	1	1/6/2011 1:00:00 PM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**87.1**	%	1	1/6/2011 1:00:00 PM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.386		**ND**	mg/Kg-dry	10	1/7/2011 10:52:00 PM	TV
Anthracene	NELAP	0.386		**ND**	mg/Kg-dry	10	1/7/2011 10:52:00 PM	TV
Benzo(a)anthracene	NELAP	0.386		**0.477**	mg/Kg-dry	10	1/7/2011 10:52:00 PM	TV
Benzo(a)pyrene	NELAP	0.386	J	**0.34**	mg/Kg-dry	10	1/7/2011 10:52:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.386		**0.499**	mg/Kg-dry	10	1/7/2011 10:52:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.386		**ND**	mg/Kg-dry	10	1/7/2011 10:52:00 PM	TV
Chrysene	NELAP	0.386	J	**0.39**	mg/Kg-dry	10	1/7/2011 10:52:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.386		**ND**	mg/Kg-dry	10	1/7/2011 10:52:00 PM	TV
Fluoranthene	NELAP	0.386		**0.764**	mg/Kg-dry	10	1/7/2011 10:52:00 PM	TV
Fluorene	NELAP	0.386		**ND**	mg/Kg-dry	10	1/7/2011 10:52:00 PM	TV
Pyrene	NELAP	0.386		**0.749**	mg/Kg-dry	10	1/7/2011 10:52:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**51.9**	%REC	10	1/7/2011 10:52:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**49.1**	%REC	10	1/7/2011 10:52:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**59.9**	%REC	10	1/7/2011 10:52:00 PM	TV

Sample Narrative

SW-846 3550B, 8270C Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit(s) due to sample extract composition.

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010181
Lab ID: 11010181-006
Report Date: 11-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSBS031
Collection Date: 1/5/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**18.0**	%	1	1/6/2011 1:00:00 PM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**82.0**	%	1	1/6/2011 1:00:00 PM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	1.03		**ND**	mg/Kg-dry	25	1/7/2011 11:50:00 PM	TV
Anthracene	NELAP	1.03		**ND**	mg/Kg-dry	25	1/7/2011 11:50:00 PM	TV
Benzo(a)anthracene	NELAP	1.03		**1.36**	mg/Kg-dry	25	1/7/2011 11:50:00 PM	TV
Benzo(a)pyrene	NELAP	1.03	J	**0.98**	mg/Kg-dry	25	1/7/2011 11:50:00 PM	TV
Benzo(b)fluoranthene	NELAP	1.03		**1.42**	mg/Kg-dry	25	1/7/2011 11:50:00 PM	TV
Benzo(k)fluoranthene	NELAP	1.03		**ND**	mg/Kg-dry	25	1/7/2011 11:50:00 PM	TV
Chrysene	NELAP	1.03		**1.05**	mg/Kg-dry	25	1/7/2011 11:50:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	1.03		**ND**	mg/Kg-dry	25	1/7/2011 11:50:00 PM	TV
Fluoranthene	NELAP	1.03		**2.22**	mg/Kg-dry	25	1/7/2011 11:50:00 PM	TV
Fluorene	NELAP	1.03		**ND**	mg/Kg-dry	25	1/7/2011 11:50:00 PM	TV
Pyrene	NELAP	1.03		**1.88**	mg/Kg-dry	25	1/7/2011 11:50:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**63.9**	%REC	25	1/7/2011 11:50:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**55.4**	%REC	25	1/7/2011 11:50:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**61.9**	%REC	25	1/7/2011 11:50:00 PM	TV

Sample Narrative

SW-846 3550B, 8270C Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit(s) due to sample extract composition.

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010181
Lab ID: 11010181-007
Report Date: 11-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSBS037
Collection Date: 1/5/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**9.2**	%	1	1/6/2011 1:00:00 PM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**90.8**	%	1	1/6/2011 1:00:00 PM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.0372		**ND**	mg/Kg-dry	1	1/7/2011 11:21:00 PM	TV
Anthracene	NELAP	0.0372		**0.0445**	mg/Kg-dry	1	1/7/2011 11:21:00 PM	TV
Benzo(a)anthracene	NELAP	0.0372		**0.197**	mg/Kg-dry	1	1/7/2011 11:21:00 PM	TV
Benzo(a)pyrene	NELAP	0.0372		**0.178**	mg/Kg-dry	1	1/7/2011 11:21:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.0372		**0.260**	mg/Kg-dry	1	1/7/2011 11:21:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.0372		**0.0912**	mg/Kg-dry	1	1/7/2011 11:21:00 PM	TV
Chrysene	NELAP	0.0372		**0.187**	mg/Kg-dry	1	1/7/2011 11:21:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.0372		**ND**	mg/Kg-dry	1	1/7/2011 11:21:00 PM	TV
Fluoranthene	NELAP	0.0372		**0.339**	mg/Kg-dry	1	1/7/2011 11:21:00 PM	TV
Fluorene	NELAP	0.0372		**ND**	mg/Kg-dry	1	1/7/2011 11:21:00 PM	TV
Pyrene	NELAP	0.0372		**0.317**	mg/Kg-dry	1	1/7/2011 11:21:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**54.7**	%REC	1	1/7/2011 11:21:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**49.3**	%REC	1	1/7/2011 11:21:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**71.7**	%REC	1	1/7/2011 11:21:00 PM	TV

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: Riverfront Environmental, Inc.
WorkOrder: 11010181
Lab ID: 11010181-008
Report Date: 11-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSBS045
Collection Date: 1/5/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**13.7**	%	1	1/6/2011 1:00:00 PM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**86.3**	%	1	1/6/2011 1:00:00 PM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.0786		**ND**	mg/Kg-dry	2	1/8/2011 12:18:00 AM	TV
Anthracene	NELAP	0.0786		**ND**	mg/Kg-dry	2	1/8/2011 12:18:00 AM	TV
Benzo(a)anthracene	NELAP	0.0786		**0.119**	mg/Kg-dry	2	1/8/2011 12:18:00 AM	TV
Benzo(a)pyrene	NELAP	0.0786		**0.116**	mg/Kg-dry	2	1/8/2011 12:18:00 AM	TV
Benzo(b)fluoranthene	NELAP	0.0786		**0.185**	mg/Kg-dry	2	1/8/2011 12:18:00 AM	TV
Benzo(k)fluoranthene	NELAP	0.0786	J	**0.072**	mg/Kg-dry	2	1/8/2011 12:18:00 AM	TV
Chrysene	NELAP	0.0786		**0.128**	mg/Kg-dry	2	1/8/2011 12:18:00 AM	TV
Dibenzo(a,h)anthracene	NELAP	0.0786		**ND**	mg/Kg-dry	2	1/8/2011 12:18:00 AM	TV
Fluoranthene	NELAP	0.0786		**0.211**	mg/Kg-dry	2	1/8/2011 12:18:00 AM	TV
Fluorene	NELAP	0.0786		**ND**	mg/Kg-dry	2	1/8/2011 12:18:00 AM	TV
Pyrene	NELAP	0.0786		**0.185**	mg/Kg-dry	2	1/8/2011 12:18:00 AM	TV
Surr: 2-Fluorobiphenyl		12-133		**60.8**	%REC	2	1/8/2011 12:18:00 AM	TV
Surr: Nitrobenzene-d5		30.9-115		**56.7**	%REC	2	1/8/2011 12:18:00 AM	TV
Surr: p-Terphenyl-d14		31.5-137		**62.1**	%REC	2	1/8/2011 12:18:00 AM	TV

Sample Narrative

SW-846 3550B, 8270C Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit(s) due to sample extract composition.

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010181
Lab ID: 11010181-009
Report Date: 11-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSBS050
Collection Date: 1/5/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**15.2**	%	1	1/6/2011 1:00:00 PM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**84.8**	%	1	1/6/2011 1:00:00 PM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.200		**ND**	mg/Kg-dry	5	1/10/2011 3:49:00 PM	TV
Anthracene	NELAP	0.200		**0.241**	mg/Kg-dry	5	1/10/2011 3:49:00 PM	TV
Benzo(a)anthracene	NELAP	0.200		**0.867**	mg/Kg-dry	5	1/10/2011 3:49:00 PM	TV
Benzo(a)pyrene	NELAP	0.200		**0.834**	mg/Kg-dry	5	1/10/2011 3:49:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.200		**1.13**	mg/Kg-dry	5	1/10/2011 3:49:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.200		**0.442**	mg/Kg-dry	5	1/10/2011 3:49:00 PM	TV
Chrysene	NELAP	0.200		**0.891**	mg/Kg-dry	5	1/10/2011 3:49:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.200		**ND**	mg/Kg-dry	5	1/10/2011 3:49:00 PM	TV
Fluoranthene	NELAP	0.200		**1.93**	mg/Kg-dry	5	1/10/2011 3:49:00 PM	TV
Fluorene	NELAP	0.200		**ND**	mg/Kg-dry	5	1/10/2011 3:49:00 PM	TV
Pyrene	NELAP	0.200		**1.67**	mg/Kg-dry	5	1/10/2011 3:49:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**83.4**	%REC	5	1/10/2011 3:49:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**83.2**	%REC	5	1/10/2011 3:49:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**92.6**	%REC	5	1/10/2011 3:49:00 PM	TV

Sample Narrative

SW-846 3550B, 8270C Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit(s) due to sample extract composition.

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TEL: 618-344-1004
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LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010181
Lab ID: 11010181-010
Report Date: 11-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSBS053
Collection Date: 1/5/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**11.9**	%	1	1/6/2011 1:00:00 PM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**88.1**	%	1	1/6/2011 1:00:00 PM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.191		**ND**	mg/Kg-dry	5	1/10/2011 4:16:00 PM	TV
Anthracene	NELAP	0.191		**ND**	mg/Kg-dry	5	1/10/2011 4:16:00 PM	TV
Benzo(a)anthracene	NELAP	0.191		**0.739**	mg/Kg-dry	5	1/10/2011 4:16:00 PM	TV
Benzo(a)pyrene	NELAP	0.191		**0.714**	mg/Kg-dry	5	1/10/2011 4:16:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.191		**1.03**	mg/Kg-dry	5	1/10/2011 4:16:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.191		**0.374**	mg/Kg-dry	5	1/10/2011 4:16:00 PM	TV
Chrysene	NELAP	0.191		**0.748**	mg/Kg-dry	5	1/10/2011 4:16:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.191		**ND**	mg/Kg-dry	5	1/10/2011 4:16:00 PM	TV
Fluoranthene	NELAP	0.191		**1.49**	mg/Kg-dry	5	1/10/2011 4:16:00 PM	TV
Fluorene	NELAP	0.191		**ND**	mg/Kg-dry	5	1/10/2011 4:16:00 PM	TV
Pyrene	NELAP	0.191		**1.37**	mg/Kg-dry	5	1/10/2011 4:16:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**85.8**	%REC	5	1/10/2011 4:16:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**86.8**	%REC	5	1/10/2011 4:16:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**97.8**	%REC	5	1/10/2011 4:16:00 PM	TV

Sample Narrative

SW-846 3550B, 8270C Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit(s) due to sample extract composition.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010181
Lab ID: 11010181-011
Report Date: 11-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSBS058
Collection Date: 1/5/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**10.7**	%	1	1/6/2011 1:00:00 PM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**89.3**	%	1	1/6/2011 1:00:00 PM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.938		**ND**	mg/Kg-dry	25	1/10/2011 4:43:00 PM	TV
Anthracene	NELAP	0.938		**ND**	mg/Kg-dry	25	1/10/2011 4:43:00 PM	TV
Benzo(a)anthracene	NELAP	0.938		**2.41**	mg/Kg-dry	25	1/10/2011 4:43:00 PM	TV
Benzo(a)pyrene	NELAP	0.938		**2.23**	mg/Kg-dry	25	1/10/2011 4:43:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.938		**3.12**	mg/Kg-dry	25	1/10/2011 4:43:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.938		**1.21**	mg/Kg-dry	25	1/10/2011 4:43:00 PM	TV
Chrysene	NELAP	0.938		**2.24**	mg/Kg-dry	25	1/10/2011 4:43:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.938		**ND**	mg/Kg-dry	25	1/10/2011 4:43:00 PM	TV
Fluoranthene	NELAP	0.938		**5.63**	mg/Kg-dry	25	1/10/2011 4:43:00 PM	TV
Fluorene	NELAP	0.938		**ND**	mg/Kg-dry	25	1/10/2011 4:43:00 PM	TV
Pyrene	NELAP	0.938		**5.07**	mg/Kg-dry	25	1/10/2011 4:43:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**88.8**	%REC	25	1/10/2011 4:43:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**84.8**	%REC	25	1/10/2011 4:43:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**96.8**	%REC	25	1/10/2011 4:43:00 PM	TV

Sample Narrative

SW-846 3550B, 8270C Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit(s) due to sample extract composition.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010181
Lab ID: 11010181-012
Report Date: 11-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSBS062
Collection Date: 1/5/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**18.7**	%	1	1/6/2011 1:00:00 PM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**81.3**	%	1	1/6/2011 1:00:00 PM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.417		**ND**	mg/Kg-dry	10	1/10/2011 5:10:00 PM	TV
Anthracene	NELAP	0.417		**ND**	mg/Kg-dry	10	1/10/2011 5:10:00 PM	TV
Benzo(a)anthracene	NELAP	0.417		**1.02**	mg/Kg-dry	10	1/10/2011 5:10:00 PM	TV
Benzo(a)pyrene	NELAP	0.417		**0.928**	mg/Kg-dry	10	1/10/2011 5:10:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.417		**1.35**	mg/Kg-dry	10	1/10/2011 5:10:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.417		**0.580**	mg/Kg-dry	10	1/10/2011 5:10:00 PM	TV
Chrysene	NELAP	0.417		**1.03**	mg/Kg-dry	10	1/10/2011 5:10:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.417		**ND**	mg/Kg-dry	10	1/10/2011 5:10:00 PM	TV
Fluoranthene	NELAP	0.417		**2.48**	mg/Kg-dry	10	1/10/2011 5:10:00 PM	TV
Fluorene	NELAP	0.417		**ND**	mg/Kg-dry	10	1/10/2011 5:10:00 PM	TV
Pyrene	NELAP	0.417		**2.10**	mg/Kg-dry	10	1/10/2011 5:10:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**77.8**	%REC	10	1/10/2011 5:10:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**79.0**	%REC	10	1/10/2011 5:10:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**93.8**	%REC	10	1/10/2011 5:10:00 PM	TV

Sample Narrative

SW-846 3550B, 8270C Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit(s) due to sample extract composition.

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5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010181
Lab ID: 11010181-013
Report Date: 11-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSBS064
Collection Date: 1/5/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**8.8**	%	1	1/6/2011 1:00:00 PM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**91.2**	%	1	1/6/2011 1:00:00 PM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.186		**ND**	mg/Kg-dry	5	1/10/2011 5:37:00 PM	TV
Anthracene	NELAP	0.186		**ND**	mg/Kg-dry	5	1/10/2011 5:37:00 PM	TV
Benzo(a)anthracene	NELAP	0.186		**0.273**	mg/Kg-dry	5	1/10/2011 5:37:00 PM	TV
Benzo(a)pyrene	NELAP	0.186		**0.249**	mg/Kg-dry	5	1/10/2011 5:37:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.186		**0.348**	mg/Kg-dry	5	1/10/2011 5:37:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.186		**ND**	mg/Kg-dry	5	1/10/2011 5:37:00 PM	TV
Chrysene	NELAP	0.186		**0.268**	mg/Kg-dry	5	1/10/2011 5:37:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.186		**ND**	mg/Kg-dry	5	1/10/2011 5:37:00 PM	TV
Fluoranthene	NELAP	0.186		**0.539**	mg/Kg-dry	5	1/10/2011 5:37:00 PM	TV
Fluorene	NELAP	0.186		**ND**	mg/Kg-dry	5	1/10/2011 5:37:00 PM	TV
Pyrene	NELAP	0.186		**0.524**	mg/Kg-dry	5	1/10/2011 5:37:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**81.8**	%REC	5	1/10/2011 5:37:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**79.2**	%REC	5	1/10/2011 5:37:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**95.0**	%REC	5	1/10/2011 5:37:00 PM	TV

Sample Narrative

SW-846 3550B, 8270C Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit(s) due to sample extract composition.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010181
Lab ID: 11010181-014
Report Date: 11-Jan-11

Client Project: Oakland Heights 5938-03
Client Sample ID: SSBS065
Collection Date: 1/5/2011
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture		0.1		**15.3**	%	1	1/6/2011 1:00:00 PM	RS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		**84.7**	%	1	1/6/2011 1:00:00 PM	RS
SW-846 3550B, 8270C SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	1.00		**ND**	mg/Kg-dry	25	1/10/2011 6:04:00 PM	TV
Anthracene	NELAP	1.00		**2.15**	mg/Kg-dry	25	1/10/2011 6:04:00 PM	TV
Benzo(a)anthracene	NELAP	1.00		**7.33**	mg/Kg-dry	25	1/10/2011 6:04:00 PM	TV
Benzo(a)pyrene	NELAP	1.00		**6.39**	mg/Kg-dry	25	1/10/2011 6:04:00 PM	TV
Benzo(b)fluoranthene	NELAP	1.00		**10.2**	mg/Kg-dry	25	1/10/2011 6:04:00 PM	TV
Benzo(k)fluoranthene	NELAP	1.00		**3.64**	mg/Kg-dry	25	1/10/2011 6:04:00 PM	TV
Chrysene	NELAP	1.00		**7.49**	mg/Kg-dry	25	1/10/2011 6:04:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	1.00		**1.22**	mg/Kg-dry	25	1/10/2011 6:04:00 PM	TV
Fluoranthene	NELAP	1.00		**17.1**	mg/Kg-dry	25	1/10/2011 6:04:00 PM	TV
Fluorene	NELAP	1.00		**ND**	mg/Kg-dry	25	1/10/2011 6:04:00 PM	TV
Pyrene	NELAP	1.00		**13.8**	mg/Kg-dry	25	1/10/2011 6:04:00 PM	TV
Surr: 2-Fluorobiphenyl		12-133		**90.8**	%REC	25	1/10/2011 6:04:00 PM	TV
Surr: Nitrobenzene-d5		30.9-115		**80.8**	%REC	25	1/10/2011 6:04:00 PM	TV
Surr: p-Terphenyl-d14		31.5-137		**95.8**	%REC	25	1/10/2011 6:04:00 PM	TV

Sample Narrative

SW-846 3550B, 8270C Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit(s) due to sample extract composition.

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.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample 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.

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: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-03
Lab Order: 11010181 **Report Date:** *11-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TS_M_MT

Sample ID: **LCS-R144323** SampType: **LCS** Units: **%** Prep Date: RunNo: **144323**
Client ID: **ZZZZZZ** Batch ID: **R144323** Analysis Date: **1/6/2011** SeqNo: **2834389**

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-R144323** SampType: **LCSQC** Units: **%** Prep Date: RunNo: **144323**
Client ID: **ZZZZZZ** Batch ID: **R144323** Analysis Date: **1/6/2011** SeqNo: **2834390**

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: **11010158-002ADUP** SampType: **DUP** Units: **%** Prep Date: RunNo: **144323**
Client ID: **ZZZZZZ** Batch ID: **R144323** Analysis Date: **1/6/2011** SeqNo: **2834393**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	92.7	0.1						91.95	0.834	15	

Sample ID: **11010161-004ADUP** SampType: **DUP** Units: **%** Prep Date: RunNo: **144323**
Client ID: **ZZZZZZ** Batch ID: **R144323** Analysis Date: **1/6/2011** SeqNo: **2834411**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	75.3	0.1						70.71	6.27	15	

Sample ID: **11010180-012ADUP** SampType: **DUP** Units: **%** Prep Date: RunNo: **144323**
Client ID: **ZZZZZZ** Batch ID: **R144323** Analysis Date: **1/6/2011** SeqNo: **2834434**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	81.9	0.1						80.13	2.15	15	

Sample ID: **11010181-007ADUP** SampType: **DUP** Units: **%** Prep Date: RunNo: **144323**
Client ID: **SSBS037DUP** Batch ID: **R144323** Analysis Date: **1/6/2011** SeqNo: **2834444**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-03
Lab Order: 11010181 **Report Date:** *11-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TS_M_MT

Sample ID: **11010181-007ADUP** SampType: **DUP** Units: **%** Prep Date: RunNo: **144323**
Client ID: **SSBS037DUP** Batch ID: **R144323** Analysis Date: **1/6/2011** SeqNo: **2834444**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	90.8	0.1						90.75	0	15	

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-03
Lab Order: 11010181 **Report Date:** *11-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_TPH_DRO_S

Sample ID: **MB-65311** SampType: **MBLK** Units: **mg/Kg** Prep Date: **1/7/2011** RunNo: **144383**
Client ID: **ZZZZZZ** Batch ID: **65311** **SW3550B** Analysis Date: **1/7/2011** SeqNo: **2835531**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0340									
Anthracene	ND	0.0340									
Benzo(a)anthracene	ND	0.0340									
Benzo(a)pyrene	ND	0.0340									
Benzo(b)fluoranthene	ND	0.0340									
Benzo(k)fluoranthene	ND	0.0340									
Chrysene	ND	0.0340									
Dibenzo(a,h)anthracene	ND	0.0340									
Fluoranthene	ND	0.0340									
Fluorene	ND	0.0340									
Pyrene	ND	0.0340									
Surr: 2-Fluorobiphenyl	0.613		0.8350		73.4	46.3	106				
Surr: Nitrobenzene-d5	0.532		0.8350		63.7	42.4	99.2				
Surr: p-Terphenyl-d14	0.657		0.8350		78.7	45.5	115				

Sample ID: **LCS-65311** SampType: **LCS** Units: **mg/Kg** Prep Date: **1/7/2011** RunNo: **144383**
Client ID: **ZZZZZZ** Batch ID: **65311** **SW3550B** Analysis Date: **1/7/2011** SeqNo: **2835532**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1.28	0.0340	1.670	0	76.7	50.8	113				
Anthracene	1.29	0.0340	1.670	0	77.4	53.3	115				
Benzo(a)anthracene	1.45	0.0340	1.670	0	86.6	62.3	110				
Benzo(a)pyrene	1.42	0.0340	1.670	0	85.3	58.2	109				
Benzo(b)fluoranthene	1.44	0.0340	1.670	0	86.0	51.8	107				
Benzo(k)fluoranthene	1.52	0.0340	1.670	0	91.3	63.1	129				
Chrysene	1.43	0.0340	1.670	0	85.9	58.4	115				
Dibenzo(a,h)anthracene	1.43	0.0340	1.670	0	85.5	54.9	120				
Fluoranthene	1.27	0.0340	1.670	0	76.2	61.6	113				
Fluorene	1.37	0.0340	1.670	0	82.1	52.2	116				
Pyrene	1.35	0.0340	1.670	0	80.7	60.7	115				
Surr: 2-Fluorobiphenyl	0.593		0.8350		71.1	46.3	106				

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-03
Lab Order: 11010181 **Report Date:** *11-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_TPH_DRO_S

Sample ID: **LCS-65311** SampType: **LCS** Units: **mg/Kg** Prep Date: **1/7/2011** RunNo: **144383**
Client ID: **ZZZZZZ** Batch ID: **65311** **SW3550B** Analysis Date: **1/7/2011** SeqNo: **2835532**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	0.590		0.8350		70.7	42.4	99.2				
Surr: p-Terphenyl-d14	0.633		0.8350		75.8	45.5	115				

Sample ID: **LCSDRO-65311** SampType: **LCS** Units: **%REC** Prep Date: **1/7/2011** RunNo: **144383**
Client ID: **ZZZZZZ** Batch ID: **65311** **SW3550B** Analysis Date: **1/7/2011** SeqNo: **2835533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	0.568		0.8350		68.1	46.3	106				
Surr: Nitrobenzene-d5	0.508		0.8350		60.8	42.4	99.2				
Surr: p-Terphenyl-d14	0.592		0.8350		70.9	45.5	115				

Sample ID: **11010180-006AMS** SampType: **MS** Units: **%REC** Prep Date: **1/7/2011** RunNo: **144383**
Client ID: **ZZZZZZ** Batch ID: **65311** **SW3550B** Analysis Date: **1/7/2011** SeqNo: **2835536**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	0.715		1.034		69.1	12	133				
Surr: Nitrobenzene-d5	0.676		1.034		65.3	30.9	115				
Surr: p-Terphenyl-d14	0.764		1.034		73.9	31.5	137				

Sample ID: **11010180-006AMSD** SampType: **MSD** Units: **%REC** Prep Date: **1/7/2011** RunNo: **144383**
Client ID: **ZZZZZZ** Batch ID: **65311** **SW3550B** Analysis Date: **1/7/2011** SeqNo: **2835537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	0.657		1.025		64.1	12	133		0	0	
Surr: Nitrobenzene-d5	0.630		1.025		61.5	30.9	115		0	0	
Surr: p-Terphenyl-d14	0.706		1.025		68.8	31.5	137		0	0	

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-03
Lab Order: 11010181 **Report Date:** *11-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_TPH_DRO_S

Sample ID: **LCS-65318** SampType: **LCS** Units: **mg/Kg** Prep Date: **1/7/2011** RunNo: **144391**
Client ID: **ZZZZZZ** Batch ID: **65318** **SW3550B** Analysis Date: **1/10/2011** SeqNo: **2835683**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1.30	0.0340	1.670	0	78.1	50.8	113				
Anthracene	1.25	0.0340	1.670	0	74.8	53.3	115				
Benzo(a)anthracene	1.39	0.0340	1.670	0	83.1	62.3	110				
Benzo(a)pyrene	1.32	0.0340	1.670	0	79.2	58.2	109				
Benzo(b)fluoranthene	1.36	0.0340	1.670	0	81.3	51.8	107				
Benzo(k)fluoranthene	1.43	0.0340	1.670	0	85.8	63.1	129				
Chrysene	1.39	0.0340	1.670	0	83.5	58.4	115				
Dibenzo(a,h)anthracene	1.39	0.0340	1.670	0	83.1	54.9	120				
Fluoranthene	1.34	0.0340	1.670	0	80.3	61.6	113				
Fluorene	1.37	0.0340	1.670	0	82.0	52.2	116				
Pyrene	1.38	0.0340	1.670	0	82.5	60.7	115				
Surr: 2-Fluorobiphenyl	0.670		0.8350		80.2	46.3	106				
Surr: Nitrobenzene-d5	0.673		0.8350		80.6	42.4	99.2				
Surr: p-Terphenyl-d14	0.737		0.8350		88.3	45.5	115				

Sample ID: **LCSDRO-65318** SampType: **LCS** Units: **%REC** Prep Date: **1/7/2011** RunNo: **144391**
Client ID: **ZZZZZZ** Batch ID: **65318** **SW3550B** Analysis Date: **1/10/2011** SeqNo: **2835684**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	0.672		0.8350		80.5	46.3	106				
Surr: Nitrobenzene-d5	0.615		0.8350		73.6	42.4	99.2				
Surr: p-Terphenyl-d14	0.729		0.8350		87.3	45.5	115				

Sample ID: **MB-65318** SampType: **MBLK** Units: **mg/Kg** Prep Date: **1/7/2011** RunNo: **144391**
Client ID: **ZZZZZZ** Batch ID: **65318** **SW3550B** Analysis Date: **1/10/2011** SeqNo: **2835718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0340									
Anthracene	ND	0.0340									
Benzo(a)anthracene	ND	0.0340									

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-03
Lab Order: 11010181 **Report Date:** *11-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_TPH_DRO_S

Sample ID: **MB-65318** SampType: **MBLK** Units: **mg/Kg** Prep Date: **1/7/2011** RunNo: **144391**
Client ID: **ZZZZZZ** Batch ID: **65318** **SW3550B** Analysis Date: **1/10/2011** SeqNo: **2835718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	ND	0.0340									
Benzo(b)fluoranthene	ND	0.0340									
Benzo(k)fluoranthene	ND	0.0340									
Chrysene	ND	0.0340									
Dibenzo(a,h)anthracene	ND	0.0340									
Fluoranthene	ND	0.0340									
Fluorene	ND	0.0340									
Pyrene	ND	0.0340									
Surr: 2-Fluorobiphenyl	0.714		0.8350		85.5	46.3	106				
Surr: Nitrobenzene-d5	0.700		0.8350		83.8	42.4	99.2				
Surr: p-Terphenyl-d14	0.718		0.8350		86.0	45.5	115				

Sample ID: **11010211-006AMS** SampType: **MS** Units: **%REC** Prep Date: **1/7/2011** RunNo: **144391**
Client ID: **ZZZZZZ** Batch ID: **65318** **SW3550B** Analysis Date: **1/10/2011** SeqNo: **2836410**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	1.66		2.210		75.1	12	133				
Surr: Nitrobenzene-d5	1.50		2.210		68.0	30.9	115				
Surr: p-Terphenyl-d14	1.99		2.210		90.1	31.5	137				

Sample ID: **11010211-006AMSD** SampType: **MSD** Units: **%REC** Prep Date: **1/7/2011** RunNo: **144391**
Client ID: **ZZZZZZ** Batch ID: **65318** **SW3550B** Analysis Date: **1/10/2011** SeqNo: **2836411**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	1.58		2.243		70.4	12	133		0	0	
Surr: Nitrobenzene-d5	1.61		2.243		71.7	30.9	115		0	0	
Surr: p-Terphenyl-d14	1.86		2.243		83.0	31.5	137		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: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-03
Lab Order: 11010181
Report Date: 11-Jan-11

Carrier: FedEx

Received By: TWM

Completed by: Dawn Brantley
On: 06-Jan-11

Reviewed by: Elizabeth A. Hurley
On: 06-Jan-11

Pages to follow: Chain of custody 2 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 1.8
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 - vials have zero headspace?	Yes ☐	No ☐	No VOA vials	☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐		

Any No responses must be detailed below or on the COC.

CHAIN OF CUSTODY

pg. 1 of 2 Work Order # 11010181

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: RiverFront Env.
Address: 1139 Olive St. Ste. 300
City / State / Zip: St. Louis, MO 63101
Contact: Craig Larouette Phone:
E-Mail: Fax:

Samples on: ☑ Ice ☐ Blue Ice ☐ No Ice 2.8 °C
Preserved in: ☐ Lab ☐ Field FOR LAB USE ONLY
Lab Notes:

Comments: MRBCA Reporting Requirements

- Are these samples known to be involved in litigation? If yes, a surcharge will apply. ☐ Yes ☑ No
- Are these samples known to be hazardous? ☐ Yes ☑ No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. ☐ Yes ☐ No

Project Name / Number: Oakland Heights 5938-03

Sample Collector's Name: Craig Larouette / Craig Cox

Results Requested: ☑ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other_____ ☐ 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO_3	NaOH	H_2SO_4	HCL	MeOH	$NaHSO_4$	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	PAH's
11010181-001	SSBS015	1/5/11	X										X			X
002	SSBS019		X										X			X
003	SSBS021		X										X			X
004	SSBS026		X										X			X
005	SSBS029		X										X			X
006	SSBS031		X										X			X
007	SSBS037		X										X			X
008	SSBS045		X										X			X
009	SSBS050		X										X			X
010	SSBS053		X										X			X

Relinquished By	Date / Time	Received By	Date / Time
[signature]	1/5/11 1650	[signature]	1/5/11 1650
[signature]	1/5/11 1815	[signature] FedEx	1-6-11 1127

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE & YELLOW – LAB PINK – SAMPLER'S COPY

CHAIN OF CUSTODY

pg. 2 of 2 Work Order # 1101 0181

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: Riverfront Env.
Address: 1139 Olive St. Ste. 300
City / State / Zip: St. Louis, MO 63101
Contact: Craig Lanouette Phone:
E-Mail: Fax:

Samples on: ☐ Ice ☐ Blue Ice ☐ No Ice _____ °C
Preserved in: ☐ Lab ☐ Field FOR LAB USE ONLY
Lab Notes:

Comments: MRBA Reporting Requirements

- Are these samples known to be involved in litigation? If yes, a surcharge will apply. ☐ Yes ☑ No
- Are these samples known to be hazardous? ☐ Yes ☑ No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. ☑ Yes ☐ No

Project Name / Number: Oakland Heights 5938-03

Sample Collector's Name: Craig Lanouette / Craig Cox

Results Requested: ☐ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other_____ ☐ 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO_3	NaOH	H_2SO_4	HCL	MeOH	$NaHSO_4$	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	PAH's
1101018 1 011	SSBS058	1/5/11	X										X			X
012	SSBS062	↓	X										X			X
013	SSBS064	↓	X										X			X
014	SSBS065	↓	X										X			X

Relinquished By	Date / Time	Received By	Date / Time
[signature]	1/5/11 1450	[signature]	1/5/11 1656
[signature]	1/5/11 1815	[signature] FEDEX	1-6-11 1127

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE & YELLOW – LAB PINK – SAMPLER'S COPY

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

January 13, 2011

Craig Lanouette
Riverfront Environmental, Inc.
1139 Olive, Suite 300
St. Louis, MO 63101
TEL: (314) 436-9492
FAX: (314) 436-9733

NELAP Accredited #100226

RE: Oakland Heights 5938-04 **WorkOrder:** 11010237

Dear Craig Lanouette:

TEKLAB, INC received 6 samples on 1/7/2011 11:30:00 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,

Richard H. Mannz
Project Manager
(618)344-1004 ex 38

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
LabOrder: 11010237
Report Date: 13-Jan-11

CASE NARRATIVE

Cooler Receipt Temp: 4.2 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0 | LA: NELAP #166493

Qualifiers

DF - Dilution Factor	**B** - Analyte detected in the associated Method Blank	**C** - Client requested RL below PQL
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: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-001
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P1-GW
Collection Date: 1/6/2011 2:00:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	1/10/2011 11:20:40 PM	JMW
Barium	NELAP	0.0050		**0.242**	mg/L	1	1/10/2011 11:20:40 PM	JMW
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	1/10/2011 11:20:40 PM	JMW
Chromium	NELAP	0.0100		**< 0.0100**	mg/L	1	1/12/2011 11:55:19 AM	JMW
Selenium	NELAP	0.0500		**< 0.0500**	mg/L	1	1/10/2011 11:20:40 PM	JMW
Silver	NELAP	0.0100		**< 0.0100**	mg/L	1	1/10/2011 11:20:40 PM	JMW
SW-846 3005A, METALS BY GFAA (DISSOLVED)								
Lead 7421	NELAP	0.0020		**< 0.0020**	mg/L	1	1/10/2011 10:04:04 AM	MEK
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00104		**ND**	mg/L	1	1/11/2011 11:54:00 AM	TV
Anthracene	NELAP	0.00104		**ND**	mg/L	1	1/11/2011 11:54:00 AM	TV
Benzo(a)anthracene	NELAP	0.00104		**ND**	mg/L	1	1/11/2011 11:54:00 AM	TV
Benzo(a)pyrene	NELAP	0.00104		**ND**	mg/L	1	1/11/2011 11:54:00 AM	TV
Benzo(b)fluoranthene	NELAP	0.00104		**ND**	mg/L	1	1/11/2011 11:54:00 AM	TV
Benzo(k)fluoranthene	NELAP	0.00104		**ND**	mg/L	1	1/11/2011 11:54:00 AM	TV
Chrysene	NELAP	0.00104		**ND**	mg/L	1	1/11/2011 11:54:00 AM	TV
Dibenzo(a,h)anthracene	NELAP	0.00104		**ND**	mg/L	1	1/11/2011 11:54:00 AM	TV
Fluoranthene	NELAP	0.00104		**ND**	mg/L	1	1/11/2011 11:54:00 AM	TV
Fluorene	NELAP	0.00104		**ND**	mg/L	1	1/11/2011 11:54:00 AM	TV
Pyrene	NELAP	0.00104		**ND**	mg/L	1	1/11/2011 11:54:00 AM	TV
TPH-DRO (C10 - C21)		0.312		**0.388**	mg/L	1	1/11/2011 11:54:00 AM	TV
TPH-ORO (C21 - C35)		0.312		**ND**	mg/L	1	1/11/2011 11:54:00 AM	TV
Surr: 2-Fluorobiphenyl		42.5-117		**75.0**	%REC	1	1/11/2011 11:54:00 AM	TV
Surr: Nitrobenzene-d5		42-106		**81.1**	%REC	1	1/11/2011 11:54:00 AM	TV
Surr: p-Terphenyl-d14		8.43-125		**46.1**	%REC	1	1/11/2011 11:54:00 AM	TV
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,1,1-Trichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,1,2,2-Tetrachloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,1,2-Trichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,1-Dichloro-2-propanone	NELAP	50.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,1-Dichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,1-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,1-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,2,3-Trichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,2,3-Trichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,2,3-Trimethylbenzene		5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-001
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P1-GW
Collection Date: 1/6/2011 2:00:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,2,4-Trimethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,2-Dibromo-3-chloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,2-Dibromoethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,2-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,2-Dichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,2-Dichloroethene, Total		5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,2-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,3,5-Trimethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,3-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,3-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,3-Dichloropropene, Total		5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,4-Dichloro-2-butene, Total		10.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1,4-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
1-Chlorobutane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
2,2-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
2-Butanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
2-Chloroethyl vinyl ether	NELAP	20.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
2-Chlorotoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
2-Hexanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
2-Nitropropane	NELAP	50.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
4-Chlorotoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
4-Methyl-2-pentanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Acetone	NELAP	25.0	J	**13**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Acetonitrile	NELAP	50.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Acrolein	NELAP	100		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Acrylonitrile	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Allyl chloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Benzene	NELAP	2.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Bromobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Bromochloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Bromodichloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Bromoform	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Bromomethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Butyl acetate		25.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Carbon disulfide	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Carbon tetrachloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Chlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF

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LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-001
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P1-GW
Collection Date: 1/6/2011 2:00:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Chloroform	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Chloromethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Chloroprene	NELAP	20.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
cis-1,2-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
cis-1,3-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
cis-1,4-Dichloro-2-butene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Cyclohexanone		50.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Dibromochloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Dibromomethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Dichlorodifluoromethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Diisopropyl ether		2.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Ethyl acetate	NELAP	10.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Ethyl ether	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Ethyl methacrylate	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Ethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Ethyl-tert-butyl ether		2.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Heptane		20.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Hexachlorobutadiene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Hexachloroethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Iodomethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Isopropylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
m,p-Xylenes	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Methacrylonitrile	NELAP	10.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Methyl Methacrylate	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Methyl tert-butyl ether	NELAP	2.00		**3.28**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Methylacrylate		10.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Methylene chloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Naphthalene	NELAP	10.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
n-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
n-Hexane		20.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Nitrobenzene	NELAP	50.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
n-Propylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
o-Xylene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Pentachloroethane	NELAP	20.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
p-Isopropyltoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Propionitrile	NELAP	50.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
sec-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF

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LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-001
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P1-GW
Collection Date: 1/6/2011 2:00:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Styrene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
tert-Amyl methyl ether		2.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
tert-Butyl alcohol		25.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
tert-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Tetrachloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Tetrahydrofuran	NELAP	20.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Toluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
TPH - GRO (C6 - C10)		500	J	**210**	µg/L	1	1/11/2011 7:33:00 PM	CCF
trans-1,2-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
trans-1,3-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
trans-1,4-Dichloro-2-butene	NELAP	10.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Trichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Trichlorofluoromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Vinyl acetate	NELAP	10.0		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Vinyl chloride	NELAP	2.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Xylenes, Total	NELAP	5.00		**ND**	µg/L	1	1/11/2011 7:33:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		**96.9**	%REC	1	1/11/2011 7:33:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		**103.2**	%REC	1	1/11/2011 7:33:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		**101.8**	%REC	1	1/11/2011 7:33:00 PM	CCF
Surr: Toluene-d8		84.3-114		**98.1**	%REC	1	1/11/2011 7:33:00 PM	CCF
SW-846 7470A (DISSOLVED)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	1/11/2011	MEK

Sample Narrative

SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS

Acetonitrile LCS/LCSD RPD was outside of QC limit.

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LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-002
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P14-GW
Collection Date: 1/6/2011 2:34:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	1/10/2011 11:26:15 PM	JMW
Barium	NELAP	0.0050		**0.0351**	mg/L	1	1/10/2011 11:26:15 PM	JMW
Cadmium	NELAP	0.0020	J	**0.0004**	mg/L	1	1/10/2011 11:26:15 PM	JMW
Chromium	NELAP	0.0100		**< 0.0100**	mg/L	1	1/12/2011 11:58:08 AM	JMW
Selenium	NELAP	0.0500		**< 0.0500**	mg/L	1	1/10/2011 11:26:15 PM	JMW
Silver	NELAP	0.0100		**< 0.0100**	mg/L	1	1/10/2011 11:26:15 PM	JMW
SW-846 3005A, METALS BY GFAA (DISSOLVED)								
Lead 7421	NELAP	0.0020		**0.0062**	mg/L	1	1/10/2011 10:14:10 AM	MEK
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00101		**ND**	mg/L	1	1/11/2011 12:21:00 PM	TV
Anthracene	NELAP	0.00101		**ND**	mg/L	1	1/11/2011 12:21:00 PM	TV
Benzo(a)anthracene	NELAP	0.00101		**ND**	mg/L	1	1/11/2011 12:21:00 PM	TV
Benzo(a)pyrene	NELAP	0.00101		**ND**	mg/L	1	1/11/2011 12:21:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.00101		**ND**	mg/L	1	1/11/2011 12:21:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.00101		**ND**	mg/L	1	1/11/2011 12:21:00 PM	TV
Chrysene	NELAP	0.00101		**ND**	mg/L	1	1/11/2011 12:21:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.00101		**ND**	mg/L	1	1/11/2011 12:21:00 PM	TV
Fluoranthene	NELAP	0.00101		**ND**	mg/L	1	1/11/2011 12:21:00 PM	TV
Fluorene	NELAP	0.00101		**ND**	mg/L	1	1/11/2011 12:21:00 PM	TV
Pyrene	NELAP	0.00101		**ND**	mg/L	1	1/11/2011 12:21:00 PM	TV
TPH-DRO (C10 - C21)		0.302	J	**0.28**	mg/L	1	1/11/2011 12:21:00 PM	TV
TPH-ORO (C21 - C35)		0.302		**ND**	mg/L	1	1/11/2011 12:21:00 PM	TV
Surr: 2-Fluorobiphenyl		42.5-117		**78.5**	%REC	1	1/11/2011 12:21:00 PM	TV
Surr: Nitrobenzene-d5		42-106		**83.8**	%REC	1	1/11/2011 12:21:00 PM	TV
Surr: p-Terphenyl-d14		8.43-125		**39.9**	%REC	1	1/11/2011 12:21:00 PM	TV
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,1,1-Trichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,1,2,2-Tetrachloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,1,2-Trichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,1-Dichloro-2-propanone	NELAP	50.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,1-Dichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,1-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,1-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,2,3-Trichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,2,3-Trichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,2,3-Trimethylbenzene		5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF

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Collection Date: 1/6/2011 2:34:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,2,4-Trimethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,2-Dibromo-3-chloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,2-Dibromoethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,2-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,2-Dichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,2-Dichloroethene, Total		5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,2-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,3,5-Trimethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,3-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,3-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,3-Dichloropropene, Total		5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,4-Dichloro-2-butene, Total		10.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1,4-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
1-Chlorobutane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
2,2-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
2-Butanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
2-Chloroethyl vinyl ether	NELAP	20.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
2-Chlorotoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
2-Hexanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
2-Nitropropane	NELAP	50.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
4-Chlorotoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
4-Methyl-2-pentanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Acetone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Acetonitrile	NELAP	50.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Acrolein	NELAP	100		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Acrylonitrile	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Allyl chloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Benzene	NELAP	2.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Bromobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Bromochloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Bromodichloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Bromoform	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Bromomethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Butyl acetate		25.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Carbon disulfide	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Carbon tetrachloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Chlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-002
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P14-GW
Collection Date: 1/6/2011 2:34:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Chloroform	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Chloromethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Chloroprene	NELAP	20.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
cis-1,2-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
cis-1,3-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
cis-1,4-Dichloro-2-butene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Cyclohexanone		50.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Dibromochloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Dibromomethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Dichlorodifluoromethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Diisopropyl ether		2.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Ethyl acetate	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Ethyl ether	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Ethyl methacrylate	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Ethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Ethyl-tert-butyl ether		2.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Heptane		20.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Hexachlorobutadiene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Hexachloroethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Iodomethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Isopropylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
m,p-Xylenes	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Methacrylonitrile	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Methyl Methacrylate	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Methyl tert-butyl ether	NELAP	2.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Methylacrylate		10.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Methylene chloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Naphthalene	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
n-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
n-Hexane		20.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Nitrobenzene	NELAP	50.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
n-Propylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
o-Xylene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Pentachloroethane	NELAP	20.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
p-Isopropyltoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Propionitrile	NELAP	50.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
sec-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF

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LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-002
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P14-GW
Collection Date: 1/6/2011 2:34:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Styrene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
tert-Amyl methyl ether		2.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
tert-Butyl alcohol		25.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
tert-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Tetrachloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Tetrahydrofuran	NELAP	20.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Toluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
TPH - GRO (C6 - C10)		500		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
trans-1,2-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
trans-1,3-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
trans-1,4-Dichloro-2-butene	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Trichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Trichlorofluoromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Vinyl acetate	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Vinyl chloride	NELAP	2.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Xylenes, Total	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:04:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		**96.8**	%REC	1	1/11/2011 8:04:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		**103.2**	%REC	1	1/11/2011 8:04:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		**100.9**	%REC	1	1/11/2011 8:04:00 PM	CCF
Surr: Toluene-d8		84.3-114		**97.3**	%REC	1	1/11/2011 8:04:00 PM	CCF
SW-846 7470A (DISSOLVED)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	1/11/2011	MEK

Sample Narrative

SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS

Acetonitrile LCS/LCSD RPD was outside of QC limit.

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LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-003
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P13-GW
Collection Date: 1/6/2011 3:00:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	1/10/2011 11:31:39 PM	JMW
Barium	NELAP	0.0050		**0.0312**	mg/L	1	1/10/2011 11:31:39 PM	JMW
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	1/10/2011 11:31:39 PM	JMW
Chromium	NELAP	0.0100	J	**0.0084**	mg/L	1	1/10/2011 11:31:39 PM	JMW
Selenium	NELAP	0.0500		**< 0.0500**	mg/L	1	1/10/2011 11:31:39 PM	JMW
Silver	NELAP	0.0100		**< 0.0100**	mg/L	1	1/10/2011 11:31:39 PM	JMW
SW-846 3005A, METALS BY GFAA (DISSOLVED)								
Lead 7421	NELAP	0.0020	J	**0.0010**	mg/L	1	1/10/2011 10:17:32 AM	MEK
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 12:48:00 PM	TV
Anthracene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 12:48:00 PM	TV
Benzo(a)anthracene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 12:48:00 PM	TV
Benzo(a)pyrene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 12:48:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 12:48:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 12:48:00 PM	TV
Chrysene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 12:48:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 12:48:00 PM	TV
Fluoranthene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 12:48:00 PM	TV
Fluorene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 12:48:00 PM	TV
Pyrene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 12:48:00 PM	TV
TPH-DRO (C10 - C21)		0.300	J	**0.20**	mg/L	1	1/11/2011 12:48:00 PM	TV
TPH-ORO (C21 - C35)		0.300		**ND**	mg/L	1	1/11/2011 12:48:00 PM	TV
Surr: 2-Fluorobiphenyl		42.5-117		**79.0**	%REC	1	1/11/2011 12:48:00 PM	TV
Surr: Nitrobenzene-d5		42-106		**85.6**	%REC	1	1/11/2011 12:48:00 PM	TV
Surr: p-Terphenyl-d14		8.43-125		**38.0**	%REC	1	1/11/2011 12:48:00 PM	TV
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,1,1-Trichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,1,2,2-Tetrachloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,1,2-Trichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,1-Dichloro-2-propanone	NELAP	50.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,1-Dichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,1-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,1-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,2,3-Trichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,2,3-Trichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,2,3-Trimethylbenzene		5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF

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LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-003
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P13-GW
Collection Date: 1/6/2011 3:00:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,2,4-Trimethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,2-Dibromo-3-chloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,2-Dibromoethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,2-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,2-Dichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,2-Dichloroethene, Total		5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,2-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,3,5-Trimethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,3-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,3-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,3-Dichloropropene, Total		5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,4-Dichloro-2-butene, Total		10.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1,4-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
1-Chlorobutane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
2,2-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
2-Butanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
2-Chloroethyl vinyl ether	NELAP	20.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
2-Chlorotoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
2-Hexanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
2-Nitropropane	NELAP	50.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
4-Chlorotoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
4-Methyl-2-pentanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Acetone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Acetonitrile	NELAP	50.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Acrolein	NELAP	100		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Acrylonitrile	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Allyl chloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Benzene	NELAP	2.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Bromobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Bromochloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Bromodichloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Bromoform	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Bromomethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Butyl acetate		25.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Carbon disulfide	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Carbon tetrachloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Chlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF

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LABORATORY RESULTS

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Lab ID: 11010237-003
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Client Project: Oakland Heights 5938-04
Client Sample ID: P13-GW
Collection Date: 1/6/2011 3:00:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Chloroform	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Chloromethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Chloroprene	NELAP	20.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
cis-1,2-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
cis-1,3-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
cis-1,4-Dichloro-2-butene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Cyclohexanone		50.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Dibromochloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Dibromomethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Dichlorodifluoromethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Diisopropyl ether		2.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Ethyl acetate	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Ethyl ether	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Ethyl methacrylate	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Ethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Ethyl-tert-butyl ether		2.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Heptane		20.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Hexachlorobutadiene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Hexachloroethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Iodomethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Isopropylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
m,p-Xylenes	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Methacrylonitrile	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Methyl Methacrylate	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Methyl tert-butyl ether	NELAP	2.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Methylacrylate		10.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Methylene chloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Naphthalene	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
n-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
n-Hexane		20.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Nitrobenzene	NELAP	50.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
n-Propylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
o-Xylene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Pentachloroethane	NELAP	20.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
p-Isopropyltoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Propionitrile	NELAP	50.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
sec-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-003
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P13-GW
Collection Date: 1/6/2011 3:00:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Styrene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
tert-Amyl methyl ether		2.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
tert-Butyl alcohol		25.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
tert-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Tetrachloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Tetrahydrofuran	NELAP	20.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Toluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
TPH - GRO (C6 - C10)		500		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
trans-1,2-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
trans-1,3-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
trans-1,4-Dichloro-2-butene	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Trichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Trichlorofluoromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Vinyl acetate	NELAP	10.0		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Vinyl chloride	NELAP	2.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Xylenes, Total	NELAP	5.00		**ND**	µg/L	1	1/11/2011 8:35:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		**98.7**	%REC	1	1/11/2011 8:35:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		**105.0**	%REC	1	1/11/2011 8:35:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		**102.0**	%REC	1	1/11/2011 8:35:00 PM	CCF
Surr: Toluene-d8		84.3-114		**97.3**	%REC	1	1/11/2011 8:35:00 PM	CCF
SW-846 7470A (DISSOLVED)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	1/11/2011	MEK

Sample Narrative

SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS

Acetonitrile LCS/LCSD RPD was outside of QC limit.

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LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-004
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P17-GW
Collection Date: 1/6/2011 3:23:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	1/10/2011 11:37:03 PM	JMW
Barium	NELAP	0.0050		**0.0316**	mg/L	1	1/10/2011 11:37:03 PM	JMW
Cadmium	NELAP	0.0020	J	**0.0007**	mg/L	1	1/10/2011 11:37:03 PM	JMW
Chromium	NELAP	0.0100		**0.0185**	mg/L	1	1/10/2011 11:37:03 PM	JMW
Selenium	NELAP	0.0500		**< 0.0500**	mg/L	1	1/10/2011 11:37:03 PM	JMW
Silver	NELAP	0.0100		**< 0.0100**	mg/L	1	1/10/2011 11:37:03 PM	JMW
SW-846 3005A, METALS BY GFAA (DISSOLVED)								
Lead 7421	NELAP	0.0020		**< 0.0020**	mg/L	1	1/10/2011 10:20:54 AM	MEK
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:15:00 PM	TV
Anthracene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:15:00 PM	TV
Benzo(a)anthracene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:15:00 PM	TV
Benzo(a)pyrene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:15:00 PM	TV
Benzo(b)fluoranthene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:15:00 PM	TV
Benzo(k)fluoranthene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:15:00 PM	TV
Chrysene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:15:00 PM	TV
Dibenzo(a,h)anthracene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:15:00 PM	TV
Fluoranthene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:15:00 PM	TV
Fluorene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:15:00 PM	TV
Pyrene	NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:15:00 PM	TV
TPH-DRO (C10 - C21)		0.300	J	**0.21**	mg/L	1	1/11/2011 1:15:00 PM	TV
TPH-ORO (C21 - C35)		0.300		**ND**	mg/L	1	1/11/2011 1:15:00 PM	TV
Surr: 2-Fluorobiphenyl		42.5-117		**76.0**	%REC	1	1/11/2011 1:15:00 PM	TV
Surr: Nitrobenzene-d5		42-106		**78.9**	%REC	1	1/11/2011 1:15:00 PM	TV
Surr: p-Terphenyl-d14		8.43-125		**67.4**	%REC	1	1/11/2011 1:15:00 PM	TV
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,1,1-Trichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,1,2,2-Tetrachloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,1,2-Trichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,1-Dichloro-2-propanone	NELAP	50.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,1-Dichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,1-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,1-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,2,3-Trichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,2,3-Trichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,2,3-Trimethylbenzene		5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-004
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P17-GW
Collection Date: 1/6/2011 3:23:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,2,4-Trimethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,2-Dibromo-3-chloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,2-Dibromoethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,2-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,2-Dichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,2-Dichloroethene, Total		5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,2-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,3,5-Trimethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,3-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,3-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,3-Dichloropropene, Total		5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,4-Dichloro-2-butene, Total		10.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1,4-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
1-Chlorobutane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
2,2-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
2-Butanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
2-Chloroethyl vinyl ether	NELAP	20.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
2-Chlorotoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
2-Hexanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
2-Nitropropane	NELAP	50.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
4-Chlorotoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
4-Methyl-2-pentanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Acetone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Acetonitrile	NELAP	50.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Acrolein	NELAP	100		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Acrylonitrile	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Allyl chloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Benzene	NELAP	2.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Bromobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Bromochloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Bromodichloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Bromoform	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Bromomethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Butyl acetate		25.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Carbon disulfide	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Carbon tetrachloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Chlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-004
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P17-GW
Collection Date: 1/6/2011 3:23:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Chloroform	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Chloromethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Chloroprene	NELAP	20.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
cis-1,2-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
cis-1,3-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
cis-1,4-Dichloro-2-butene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Cyclohexanone		50.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Dibromochloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Dibromomethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Dichlorodifluoromethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Diisopropyl ether		2.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Ethyl acetate	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Ethyl ether	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Ethyl methacrylate	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Ethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Ethyl-tert-butyl ether		2.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Heptane		20.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Hexachlorobutadiene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Hexachloroethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Iodomethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Isopropylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
m,p-Xylenes	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Methacrylonitrile	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Methyl Methacrylate	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Methyl tert-butyl ether	NELAP	2.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Methylacrylate		10.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Methylene chloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Naphthalene	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
n-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
n-Hexane		20.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Nitrobenzene	NELAP	50.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
n-Propylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
o-Xylene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Pentachloroethane	NELAP	20.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
p-Isopropyltoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Propionitrile	NELAP	50.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
sec-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-004
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P17-GW
Collection Date: 1/6/2011 3:23:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Styrene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
tert-Amyl methyl ether		2.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
tert-Butyl alcohol		25.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
tert-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Tetrachloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Tetrahydrofuran	NELAP	20.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Toluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
TPH - GRO (C6 - C10)		500		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
trans-1,2-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
trans-1,3-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
trans-1,4-Dichloro-2-butene	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Trichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Trichlorofluoromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Vinyl acetate	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Vinyl chloride	NELAP	2.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Xylenes, Total	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:07:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		**100.0**	%REC	1	1/11/2011 10:07:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		**102.0**	%REC	1	1/11/2011 10:07:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		**101.3**	%REC	1	1/11/2011 10:07:00 PM	CCF
Surr: Toluene-d8		84.3-114		**97.7**	%REC	1	1/11/2011 10:07:00 PM	CCF
SW-846 7470A (DISSOLVED)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	1/11/2011	MEK

Sample Narrative

SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS

Acetonitrile LCS/LCSD RPD was outside of QC limit.

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-005
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P21-GW
Collection Date: 1/6/2011 3:30:00 PM
Matrix: GROUNDWATER

Analyses		Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)									
Arsenic		NELAP	0.0250		**< 0.0250**	mg/L	1	1/10/2011 11:42:27 PM	JMW
Barium		NELAP	0.0050		**0.0377**	mg/L	1	1/10/2011 11:42:27 PM	JMW
Cadmium		NELAP	0.0020		**0.0035**	mg/L	1	1/10/2011 11:42:27 PM	JMW
Chromium		NELAP	0.0100		**< 0.0100**	mg/L	1	1/12/2011 12:00:57 PM	JMW
Selenium		NELAP	0.0500		**< 0.0500**	mg/L	1	1/10/2011 11:42:27 PM	JMW
Silver		NELAP	0.0100		**< 0.0100**	mg/L	1	1/10/2011 11:42:27 PM	JMW
SW-846 3005A, METALS BY GFAA (DISSOLVED)									
Lead	7421	NELAP	0.0020	J	**0.0009**	mg/L	1	1/10/2011 10:24:14 AM	MEK
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Acenaphthene		NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:42:00 PM	TV
Anthracene		NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:42:00 PM	TV
Benzo(a)anthracene		NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:42:00 PM	TV
Benzo(a)pyrene		NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:42:00 PM	TV
Benzo(b)fluoranthene		NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:42:00 PM	TV
Benzo(k)fluoranthene		NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:42:00 PM	TV
Chrysene		NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:42:00 PM	TV
Dibenzo(a,h)anthracene		NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:42:00 PM	TV
Fluoranthene		NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:42:00 PM	TV
Fluorene		NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:42:00 PM	TV
Pyrene		NELAP	0.00100		**ND**	mg/L	1	1/11/2011 1:42:00 PM	TV
TPH-DRO (C10 - C21)			0.300		**ND**	mg/L	1	1/11/2011 1:42:00 PM	TV
TPH-ORO (C21 - C35)			0.300		**ND**	mg/L	1	1/11/2011 1:42:00 PM	TV
Surr: 2-Fluorobiphenyl			42.5-117		**81.4**	%REC	1	1/11/2011 1:42:00 PM	TV
Surr: Nitrobenzene-d5			42-106		**84.1**	%REC	1	1/11/2011 1:42:00 PM	TV
Surr: p-Terphenyl-d14			8.43-125		**74.5**	%REC	1	1/11/2011 1:42:00 PM	TV
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
1,1,1,2-Tetrachloroethane		NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,1,1-Trichloroethane		NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,1,2,2-Tetrachloroethane		NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,1,2-Trichloroethane		NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,1-Dichloro-2-propanone		NELAP	50.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,1-Dichloroethane		NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,1-Dichloroethene		NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,1-Dichloropropene		NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,2,3-Trichlorobenzene		NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,2,3-Trichloropropane		NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,2,3-Trimethylbenzene			5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-005
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P21-GW
Collection Date: 1/6/2011 3:30:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,2,4-Trimethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,2-Dibromo-3-chloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,2-Dibromoethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,2-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,2-Dichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,2-Dichloroethene, Total		5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,2-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,3,5-Trimethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,3-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,3-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,3-Dichloropropene, Total		5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,4-Dichloro-2-butene, Total		10.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1,4-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
1-Chlorobutane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
2,2-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
2-Butanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
2-Chloroethyl vinyl ether	NELAP	20.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
2-Chlorotoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
2-Hexanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
2-Nitropropane	NELAP	50.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
4-Chlorotoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
4-Methyl-2-pentanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Acetone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Acetonitrile	NELAP	50.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Acrolein	NELAP	100		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Acrylonitrile	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Allyl chloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Benzene	NELAP	2.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Bromobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Bromochloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Bromodichloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Bromoform	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Bromomethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Butyl acetate		25.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Carbon disulfide	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Carbon tetrachloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Chlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-005
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P21-GW
Collection Date: 1/6/2011 3:30:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Chloroform	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Chloromethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Chloroprene	NELAP	20.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
cis-1,2-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
cis-1,3-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
cis-1,4-Dichloro-2-butene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Cyclohexanone		50.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Dibromochloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Dibromomethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Dichlorodifluoromethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Diisopropyl ether		2.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Ethyl acetate	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Ethyl ether	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Ethyl methacrylate	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Ethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Ethyl-tert-butyl ether		2.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Heptane		20.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Hexachlorobutadiene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Hexachloroethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Iodomethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Isopropylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
m,p-Xylenes	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Methacrylonitrile	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Methyl Methacrylate	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Methyl tert-butyl ether	NELAP	2.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Methylacrylate		10.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Methylene chloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Naphthalene	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
n-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
n-Hexane		20.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Nitrobenzene	NELAP	50.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
n-Propylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
o-Xylene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Pentachloroethane	NELAP	20.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
p-Isopropyltoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Propionitrile	NELAP	50.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
sec-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-005
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: P21-GW
Collection Date: 1/6/2011 3:30:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Styrene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
tert-Amyl methyl ether		2.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
tert-Butyl alcohol		25.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
tert-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Tetrachloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Tetrahydrofuran	NELAP	20.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Toluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
TPH - GRO (C6 - C10)		500		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
trans-1,2-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
trans-1,3-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
trans-1,4-Dichloro-2-butene	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Trichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Trichlorofluoromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Vinyl acetate	NELAP	10.0		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Vinyl chloride	NELAP	2.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Xylenes, Total	NELAP	5.00		**ND**	µg/L	1	1/11/2011 10:37:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		**99.3**	%REC	1	1/11/2011 10:37:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		**101.7**	%REC	1	1/11/2011 10:37:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		**100.5**	%REC	1	1/11/2011 10:37:00 PM	CCF
Surr: Toluene-d8		84.3-114		**98.4**	%REC	1	1/11/2011 10:37:00 PM	CCF
SW-846 7470A (DISSOLVED)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	1/11/2011	MEK

Sample Narrative

SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS

Acetonitrile LCS/LCSD RPD was outside of QC limit.

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-006
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: Trip Blank
Collection Date: 12/29/2010 3:15:00 PM
Matrix: TRIP BLANK

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,1,1-Trichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,1,2,2-Tetrachloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,1,2-Trichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,1-Dichloro-2-propanone	NELAP	50.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,1-Dichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,1-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,1-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,2,3-Trichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,2,3-Trichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,2,3-Trimethylbenzene		5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,2,4-Trichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,2,4-Trimethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,2-Dibromo-3-chloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,2-Dibromoethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,2-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,2-Dichloroethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,2-Dichloroethene, Total		5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,2-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,3,5-Trimethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,3-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,3-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,3-Dichloropropene, Total		5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,4-Dichloro-2-butene, Total		10.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1,4-Dichlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
1-Chlorobutane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
2,2-Dichloropropane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
2-Butanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
2-Chloroethyl vinyl ether	NELAP	20.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
2-Chlorotoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
2-Hexanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
2-Nitropropane	NELAP	50.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
4-Chlorotoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
4-Methyl-2-pentanone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Acetone	NELAP	25.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Acetonitrile	NELAP	50.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Acrolein	NELAP	100		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-006
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: Trip Blank
Collection Date: 12/29/2010 3:15:00 PM
Matrix: TRIP BLANK

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acrylonitrile	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Allyl chloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Benzene	NELAP	2.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Bromobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Bromochloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Bromodichloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Bromoform	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Bromomethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Butyl acetate		25.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Carbon disulfide	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Carbon tetrachloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Chlorobenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Chloroethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Chloroform	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Chloromethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Chloroprene	NELAP	20.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
cis-1,2-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
cis-1,3-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
cis-1,4-Dichloro-2-butene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Cyclohexanone		50.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Dibromochloromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Dibromomethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Dichlorodifluoromethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Diisopropyl ether		2.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Ethyl acetate	NELAP	10.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Ethyl ether	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Ethyl methacrylate	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Ethylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Ethyl-tert-butyl ether		2.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Heptane		20.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Hexachlorobutadiene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Hexachloroethane	NELAP	10.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Iodomethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Isopropylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
m,p-Xylenes	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Methacrylonitrile	NELAP	10.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Methyl Methacrylate	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Methyl tert-butyl ether	NELAP	2.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

LABORATORY RESULTS

Client: Riverfront Environmental, Inc.
WorkOrder: 11010237
Lab ID: 11010237-006
Report Date: 13-Jan-11

Client Project: Oakland Heights 5938-04
Client Sample ID: Trip Blank
Collection Date: 12/29/2010 3:15:00 PM
Matrix: TRIP BLANK

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Methylacrylate		10.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Methylene chloride	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Naphthalene	NELAP	10.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
n-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
n-Hexane		20.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Nitrobenzene	NELAP	50.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
n-Propylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
o-Xylene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Pentachloroethane	NELAP	20.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
p-Isopropyltoluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Propionitrile	NELAP	50.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
sec-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Styrene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
tert-Amyl methyl ether		2.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
tert-Butyl alcohol		25.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
tert-Butylbenzene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Tetrachloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Tetrahydrofuran	NELAP	20.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Toluene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
TPH - GRO (C6 - C10)		500		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
trans-1,2-Dichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
trans-1,3-Dichloropropene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
trans-1,4-Dichloro-2-butene	NELAP	10.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Trichloroethene	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Trichlorofluoromethane	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Vinyl acetate	NELAP	10.0		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Vinyl chloride	NELAP	2.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Xylenes, Total	NELAP	5.00		**ND**	µg/L	1	1/11/2011 5:58:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129		**97.5**	%REC	1	1/11/2011 5:58:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119		**104.3**	%REC	1	1/11/2011 5:58:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123		**96.1**	%REC	1	1/11/2011 5:58:00 PM	CCF
Surr: Toluene-d8		84.3-114		**98.6**	%REC	1	1/11/2011 5:58:00 PM	CCF

Sample Narrative

SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS

Acetonitrile LCS/LCSD RPD was outside of QC limit.

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.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample 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.

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: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_GF_SD

Sample ID: **MB-65321** SampType: **MBLK** Units: **mg/L** Prep Date: **1/7/2011** RunNo: **144386**
Client ID: **ZZZZZZ** Batch ID: **65321** **SOP 3044** Analysis Date: **1/10/2011** SeqNo: **2835603**

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-65321** SampType: **LCS** Units: **mg/L** Prep Date: **1/7/2011** RunNo: **144386**
Client ID: **ZZZZZZ** Batch ID: **65321** **SOP 3044** Analysis Date: **1/10/2011** SeqNo: **2835604**

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	102.1	80	120				

Sample ID: **11010237-001BMS** SampType: **MS** Units: **mg/L** Prep Date: **1/7/2011** RunNo: **144386**
Client ID: **P1-GWMS** Batch ID: **65321** **SOP 3044** Analysis Date: **1/10/2011** SeqNo: **2835606**

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0142	0.0020	0.01500	0	94.6	70	130				

Sample ID: **11010237-001BMSD** SampType: **MSD** Units: **mg/L** Prep Date: **1/7/2011** RunNo: **144386**
Client ID: **P1-GWMSD** Batch ID: **65321** **SOP 3044** Analysis Date: **1/10/2011** SeqNo: **2835607**

Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0147	0.0020	0.01500	0	98.2	70	130	0.01419	3.71	20	

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_SD

Sample ID: **MB-65342** SampType: **MBLK** Units: **mg/L** Prep Date: **1/10/2011** RunNo: **144402**
Client ID: **ZZZZZZ** Batch ID: **65342** **SOP 3034** Analysis Date: **1/10/2011** SeqNo: **2836117**

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				
Selenium	< 0.0500	0.0500	0.05000	0	0	-100	100				
Silver	0.0030	0.0100	0.01000	0	30.0	-100	100				J

Sample ID: **LCS-65342** SampType: **LCS** Units: **mg/L** Prep Date: **1/10/2011** RunNo: **144402**
Client ID: **ZZZZZZ** Batch ID: **65342** **SOP 3034** Analysis Date: **1/10/2011** SeqNo: **2836118**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.95	0.0250	2.000	0	97.3	85	115				
Barium	1.94	0.0050	2.000	0	96.8	85	115				
Cadmium	0.0494	0.0020	0.05000	0	98.8	85	115				
Chromium	0.204	0.0100	0.2000	0	102.0	85	115				
Selenium	1.91	0.0500	2.000	0	95.4	85	115				
Silver	0.0540	0.0100	0.05000	0	108.0	85	115				

Sample ID: **MB-65342** SampType: **MBLK** Units: **mg/L** Prep Date: **1/10/2011** RunNo: **144520**
Client ID: **ZZZZZZ** Batch ID: **65342** **SOP 3034** Analysis Date: **1/12/2011** SeqNo: **2838146**

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-65342** SampType: **LCS** Units: **mg/L** Prep Date: **1/10/2011** RunNo: **144520**
Client ID: **ZZZZZZ** Batch ID: **65342** **SOP 3034** Analysis Date: **1/12/2011** SeqNo: **2838147**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.208	0.0100	0.2000	0	104.0	85	115				

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: M_HG_AQ_SD

Sample ID: **MB-65365** SampType: **MBLK** Units: **mg/L** Prep Date: **1/11/2011** RunNo: **144458**
Client ID: **ZZZZZZ** Batch ID: **65365** **SOP 3062** Analysis Date: **1/11/2011** SeqNo: **2837051**

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-65365** SampType: **LCS** Units: **mg/L** Prep Date: **1/11/2011** RunNo: **144458**
Client ID: **ZZZZZZ** Batch ID: **65365** **SOP 3062** Analysis Date: **1/11/2011** SeqNo: **2837052**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00499	0.00020	0.005000	0	99.8	85	115				

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_TPH_DRO_W

Sample ID: **MB-65349** SampType: **MBLK** Units: **mg/L** Prep Date: **1/10/2011** RunNo: **144499**
Client ID: **ZZZZZZ** Batch ID: **65349** **SW3510C** Analysis Date: **1/11/2011** SeqNo: **2837813**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00100									
Anthracene	ND	0.00100									
Benzo(a)anthracene	ND	0.00100									
Benzo(a)pyrene	ND	0.00100									
Benzo(b)fluoranthene	ND	0.00100									
Benzo(k)fluoranthene	ND	0.00100									
Chrysene	ND	0.00100									
Dibenzo(a,h)anthracene	ND	0.00100									
Fluoranthene	ND	0.00100									
Fluorene	ND	0.00100									
Pyrene	ND	0.00100									
TPH-DRO (C10 - C21)	ND	0.300									
TPH-ORO (C21 - C35)	ND	0.300									
Surr: 2-Fluorobiphenyl	0.0181		0.02500		72.4	52	104				
Surr: Nitrobenzene-d5	0.0193		0.02500		77.3	51.6	104				
Surr: p-Terphenyl-d14	0.0202		0.02500		80.6	56.4	121				

Sample ID: **LCS-65349** SampType: **LCS** Units: **mg/L** Prep Date: **1/10/2011** RunNo: **144499**
Client ID: **ZZZZZZ** Batch ID: **65349** **SW3510C** Analysis Date: **1/11/2011** SeqNo: **2837814**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.0373	0.00100	0.05000	0	74.7	58.7	112				
Anthracene	0.0376	0.00100	0.05000	0	75.1	58.4	118				
Benzo(a)anthracene	0.0390	0.00100	0.05000	0	78.1	54.7	108				
Benzo(a)pyrene	0.0392	0.00100	0.05000	0	78.4	59.5	126				
Benzo(b)fluoranthene	0.0376	0.00100	0.05000	0	75.1	55.1	111				
Benzo(k)fluoranthene	0.0378	0.00100	0.05000	0	75.7	59.8	131				
Chrysene	0.0388	0.00100	0.05000	0	77.5	51.9	135				
Dibenzo(a,h)anthracene	0.0394	0.00100	0.05000	0	78.7	60.2	130				
Fluoranthene	0.0390	0.00100	0.05000	0	78.1	62.8	120				
Fluorene	0.0397	0.00100	0.05000	0	79.3	58.4	117				

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Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_TPH_DRO_W

Sample ID: **LCS-65349** SampType: **LCS** Units: **mg/L** Prep Date: **1/10/2011** RunNo: **144499**
Client ID: **ZZZZZZ** Batch ID: **65349** **SW3510C** Analysis Date: **1/11/2011** SeqNo: **2837814**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyrene	0.0400	0.00100	0.05000	0	79.9	60.9	118				
Surr: 2-Fluorobiphenyl	0.0185		0.02500		74.0	52	104				
Surr: Nitrobenzene-d5	0.0202		0.02500		80.6	51.6	104				
Surr: p-Terphenyl-d14	0.0202		0.02500		80.7	56.4	121				

Sample ID: **LCSD-65349** SampType: **LCSD** Units: **mg/L** Prep Date: **1/10/2011** RunNo: **144499**
Client ID: **ZZZZZZ** Batch ID: **65349** **SW3510C** Analysis Date: **1/11/2011** SeqNo: **2837815**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.0393	0.00100	0.05000	0	78.6	58.7	112	0.03733	5.14	40	
Anthracene	0.0391	0.00100	0.05000	0	78.2	58.4	118	0.03756	4.02	40	
Benzo(a)anthracene	0.0425	0.00100	0.05000	0	84.9	54.7	108	0.03903	8.42	40	
Benzo(a)pyrene	0.0429	0.00100	0.05000	0	85.9	59.5	126	0.03922	9.06	40	
Benzo(b)fluoranthene	0.0414	0.00100	0.05000	0	82.8	55.1	111	0.03757	9.68	40	
Benzo(k)fluoranthene	0.0417	0.00100	0.05000	0	83.4	59.8	131	0.03783	9.76	40	
Chrysene	0.0408	0.00100	0.05000	0	81.5	51.9	135	0.03876	5.03	40	
Dibenzo(a,h)anthracene	0.0428	0.00100	0.05000	0	85.7	60.2	130	0.03936	8.47	40	
Fluoranthene	0.0406	0.00100	0.05000	0	81.3	62.8	120	0.03903	4.04	40	
Fluorene	0.0416	0.00100	0.05000	0	83.2	58.4	117	0.03966	4.82	40	
Pyrene	0.0416	0.00100	0.05000	0	83.2	60.9	118	0.03995	4.09	40	
Surr: 2-Fluorobiphenyl	0.0185		0.02500		74.0	52	104		0	0	
Surr: Nitrobenzene-d5	0.0198		0.02500		79.3	51.6	104		0	0	
Surr: p-Terphenyl-d14	0.0193		0.02500		77.4	56.4	121		0	0	

Sample ID: **LCSDRO-65349** SampType: **LCS** Units: **mg/L** Prep Date: **1/10/2011** RunNo: **144499**
Client ID: **ZZZZZZ** Batch ID: **65349** **SW3510C** Analysis Date: **1/11/2011** SeqNo: **2837816**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-DRO (C10 - C21)	0.510	0.300	0.5000	0	101.9	35.6	126				
Surr: 2-Fluorobiphenyl	0.0199		0.02500		79.4	52	104				

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Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_TPH_DRO_W

Sample ID: **LCSDRO-65349** SampType: **LCS** Units: **mg/L** Prep Date: **1/10/2011** RunNo: **144499**
Client ID: **ZZZZZZ** Batch ID: **65349** **SW3510C** Analysis Date: **1/11/2011** SeqNo: **2837816**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	0.0200		0.02500		80.0	51.6	104				
Surr: p-Terphenyl-d14	0.0213		0.02500		85.3	56.4	121				

Sample ID: **LCSDROD-65349** SampType: **LCSD** Units: **mg/L** Prep Date: **1/10/2011** RunNo: **144499**
Client ID: **ZZZZZZ** Batch ID: **65349** **SW3510C** Analysis Date: **1/11/2011** SeqNo: **2837817**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-DRO (C10 - C21)	0.548	0.300	0.5000	0	109.7	35.6	126	0.5097	7.31	40	
Surr: 2-Fluorobiphenyl	0.0205		0.02500		82.0	52	104		0	0	
Surr: Nitrobenzene-d5	0.0212		0.02500		84.9	51.6	104		0	0	
Surr: p-Terphenyl-d14	0.0216		0.02500		86.2	56.4	121		0	0	

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Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_TPH_8260S_W

Sample ID: **LCS-N110111-1** SampType: **LCS** Units: **µg/L** Prep Date: **1/11/2011** RunNo: **144511**
Client ID: **ZZZZZZ** Batch ID: **65392** **SW5030** Analysis Date: **1/11/2011** SeqNo: **2838006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	45.7	5.00	50.00	0	91.4	0	200				
1,1,1-Trichloroethane	49.1	5.00	50.00	0	98.2	82.5	119				
1,1,2,2-Tetrachloroethane	42.0	5.00	50.00	0	84.0	0	200				
1,1,2-Trichloro-1,2,2-trifluoroethane	55.3	20.0	50.00	0	110.5	0	200				
1,1,2-Trichloroethane	44.8	5.00	50.00	0	89.6	0	200				
1,1-Dichloro-2-propanone	103	50.0	125.0	0	82.8	0	200				
1,1-Dichloroethane	45.4	5.00	50.00	0	90.8	0	200				
1,1-Dichloroethene	46.3	5.00	50.00	0	92.6	76.5	122				
1,1-Dichloropropene	48.4	5.00	50.00	0	96.8	0	200				
1,2,3-Trichlorobenzene	48.8	5.00	50.00	0	97.5	0	200				
1,2,3-Trichloropropane	42.9	5.00	50.00	0	85.8	0	200				
1,2,3-Trimethylbenzene	46.3	5.00	50.00	0	92.5	0	200				
1,2,4-Trichlorobenzene	48.9	5.00	50.00	0	97.8	0	200				
1,2,4-Trimethylbenzene	46.1	5.00	50.00	0	92.2	0	200				
1,2-Dibromo-3-chloropropane	47.9	5.00	50.00	0	95.8	0	200				
1,2-Dibromoethane	45.0	5.00	50.00	0	90.0	85	115				
1,2-Dichlorobenzene	44.2	5.00	50.00	0	88.4	86.4	116				
1,2-Dichloroethane	45.0	5.00	50.00	0	90.0	82	121				
1,2-Dichloropropane	44.4	5.00	50.00	0	88.8	0	200				
1,3,5-Trimethylbenzene	46.6	5.00	50.00	0	93.2	0	200				
1,3-Dichlorobenzene	46.4	5.00	50.00	0	92.9	85.2	116				
1,3-Dichloropropane	43.6	5.00	50.00	0	87.1	0	200				
1,4-Dichlorobenzene	46.0	5.00	50.00	0	92.1	83.6	117				
1-Chlorobutane	42.4	5.00	50.00	0	84.7	0	200				
2,2-Dichloropropane	50.3	5.00	50.00	0	100.5	0	200				
2-Butanone	108	25.0	125.0	0	86.1	65	124				
2-Chloroethyl vinyl ether	49.1	20.0	50.00	0	98.2	0	200				
2-Chlorotoluene	44.8	5.00	50.00	0	89.5	0	200				
2-Hexanone	99.6	25.0	125.0	0	79.7	0	200				
2-Nitropropane	440	50.0	500.0	0	88.0	0	200				
4-Chlorotoluene	44.5	5.00	50.00	0	89.1	0	200				

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Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_TPH_8260S_W

Sample ID: **LCS-N110111-1**	SampType: **LCS**	Units: **µg/L**	Prep Date: **1/11/2011**	RunNo: **144511**
Client ID: **ZZZZZZ**	Batch ID: **65392**	**SW5030**	Analysis Date: **1/11/2011**	SeqNo: **2838006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	107	25.0	125.0	0	85.5	0	200				
Acetone	114	25.0	125.0	0	91.5	0	200				
Acetonitrile	334	50.0	500.0	0	66.8	0	200				
Acrylonitrile	40.3	5.00	50.00	0	80.7	0	200				
Allyl chloride	44.5	5.00	50.00	0	88.9	0	200				
Benzene	44.9	2.00	50.00	0	89.8	82.7	117				
Bromobenzene	43.2	5.00	50.00	0	86.4	0	200				
Bromochloromethane	44.5	5.00	50.00	0	88.9	0	200				
Bromodichloromethane	45.9	5.00	50.00	0	91.8	87.4	117				
Bromoform	49.4	5.00	50.00	0	98.8	0	200				
Bromomethane	45.4	10.0	50.00	0	90.7	0	200				
Butyl acetate	41.7	25.0	50.00	0	83.3	0	200				
Carbon disulfide	44.9	5.00	50.00	0	89.9	0	200				
Carbon tetrachloride	51.7	5.00	50.00	0	103.4	78.8	130				
Chlorobenzene	46.1	5.00	50.00	0	92.2	84.5	114				
Chloroethane	45.1	10.0	50.00	0	90.2	0	200				
Chloroform	47.9	5.00	50.00	0	95.8	79	113				
Chloromethane	39.9	10.0	50.00	0	79.8	0	200				
Chloroprene	46.6	20.0	50.00	0	93.3	0	200				
cis-1,2-Dichloroethene	46.4	5.00	50.00	0	92.7	0	200				
cis-1,3-Dichloropropene	45.7	5.00	50.00	0	91.5	0	200				
cis-1,4-Dichloro-2-butene	41.5	5.00	50.00	0	82.9	0	200				
Cyclohexanone	182	50.0	250.0	0	72.9	0	200				
Dibromochloromethane	48.6	5.00	50.00	0	97.2	84	119				
Dibromomethane	46.0	5.00	50.00	0	92.0	0	200				
Dichlorodifluoromethane	54.3	10.0	50.00	0	108.7	0	200				
Diisopropyl ether	43.9	2.00	50.00	0	87.8	71.4	127				
Ethyl acetate	41.6	10.0	50.00	0	83.2	0	200				
Ethyl ether	43.7	5.00	50.00	0	87.4	0	200				
Ethyl methacrylate	43.2	5.00	50.00	0	86.5	0	200				
Ethylbenzene	44.8	5.00	50.00	0	89.5	83	113				

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Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_TPH_8260S_W

Sample ID: **LCS-N110111-1**	SampType: **LCS**	Units: **µg/L**	Prep Date: **1/11/2011**	RunNo: **144511**
Client ID: **ZZZZZZ**	Batch ID: **65392**	**SW5030**	Analysis Date: **1/11/2011**	SeqNo: **2838006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethyl-tert-butyl ether	44.1	2.00	50.00	0	88.1	74.5	122				
Heptane	57.8	20.0	50.00	0	115.6	0	200				
Hexachlorobutadiene	53.7	5.00	50.00	0	107.4	0	200				
Hexachloroethane	45.6	10.0	50.00	0	91.3	0	200				
Iodomethane	48.2	5.00	50.00	0	96.5	0	200				
Isopropylbenzene	46.2	5.00	50.00	0	92.4	0	200				
m,p-Xylenes	91.9	5.00	100.0	0	91.9	80.3	116				
Methacrylonitrile	42.4	10.0	50.00	0	84.8	0	200				
Methyl Methacrylate	44.5	5.00	50.00	0	89.1	0	200				
Methyl tert-butyl ether	43.5	2.00	50.00	0	87.0	69.1	121				
Methylacrylate	42.2	10.0	50.00	0	84.3	0	200				
Methylene chloride	44.7	5.00	50.00	0	89.4	79.1	122				
Naphthalene	45.7	10.0	50.00	0	91.4	60.4	129				
n-Butylbenzene	48.3	5.00	50.00	0	96.5	0	200				
n-Hexane	53.2	20.0	50.00	0	106.5	0	200				
Nitrobenzene	468	50.0	500.0	0	93.6	0	200				
n-Propylbenzene	44.4	5.00	50.00	0	88.7	0	200				
o-Xylene	45.7	5.00	50.00	0	91.4	83.2	120				
Pentachloroethane	48.7	20.0	50.00	0	97.4	0	200				
p-Isopropyltoluene	46.7	5.00	50.00	0	93.4	0	200				
Propionitrile	420	50.0	500.0	0	84.0	0	200				
sec-Butylbenzene	47.1	5.00	50.00	0	94.2	0	200				
Styrene	46.6	5.00	50.00	0	93.2	0	200				
tert-Amyl methyl ether	43.4	2.00	50.00	0	86.8	79.7	117				
tert-Butyl alcohol	199	25.0	250.0	0	79.7	68.2	135				
tert-Butylbenzene	46.0	5.00	50.00	0	92.0	0	200				
Tetrachloroethene	50.2	5.00	50.00	0	100.4	68.7	113				
Tetrahydrofuran	36.7	20.0	50.00	0	73.4	0	200				
Toluene	45.5	5.00	50.00	0	91.0	79.6	116				
trans-1,2-Dichloroethene	44.7	5.00	50.00	0	89.4	0	200				
trans-1,3-Dichloropropene	45.4	5.00	50.00	0	90.8	0	200				

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Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_TPH_8260S_W

Sample ID: **LCS-N110111-1** SampType: **LCS** Units: **µg/L** Prep Date: **1/11/2011** RunNo: **144511**
Client ID: **ZZZZZZ** Batch ID: **65392** **SW5030** Analysis Date: **1/11/2011** SeqNo: **2838006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,4-Dichloro-2-butene	40.2	10.0	50.00	0	80.5	0	200				
Trichloroethene	49.4	5.00	50.00	0	98.7	79.4	111				
Trichlorofluoromethane	50.3	5.00	50.00	0	100.5	0	200				
Vinyl acetate	43.1	10.0	50.00	0	86.2	0	200				
Vinyl chloride	40.0	2.00	50.00	0	80.1	0	200				
Xylenes, Total	138	5.00	150.0	0	91.8	80.3	120				
1,3-Dichloropropene, Total	91.2	5.00	100.0	0	91.2	0	200				
1,4-Dichloro-2-butene, Total	81.7	10.0	100.0	0	81.7	0	200				
1,2-Dichloroethene, Total	91.1	5.00	100.0	0	91.1	0	200				
Surr: 1,2-Dichloroethane-d4	49.0		50.00		98.0	74.7	129				
Surr: 4-Bromofluorobenzene	52.8		50.00		105.7	86	119				
Surr: Dibromofluoromethane	50.6		50.00		101.2	81.7	123				
Surr: Toluene-d8	49.1		50.00		98.2	84.3	114				

Sample ID: **LCSD-N110111-1** SampType: **LCSD** Units: **µg/L** Prep Date: **1/11/2011** RunNo: **144511**
Client ID: **ZZZZZZ** Batch ID: **65392** **SW5030** Analysis Date: **1/11/2011** SeqNo: **2838007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	48.2	5.00	50.00	0	96.4	0	200	45.72	5.24	20	
1,1,1-Trichloroethane	52.8	5.00	50.00	0	105.6	82.5	119	49.09	7.30	20	
1,1,2,2-Tetrachloroethane	44.0	5.00	50.00	0	87.9	0	200	41.98	4.61	20	
1,1,2-Trichloro-1,2,2-trifluoroethane	59.8	20.0	50.00	0	119.6	0	200	55.26	7.91	20	
1,1,2-Trichloroethane	45.8	5.00	50.00	0	91.7	0	200	44.82	2.23	20	
1,1-Dichloro-2-propanone	109	50.0	125.0	0	87.1	0	200	103.4	5.06	20	
1,1-Dichloroethane	48.9	5.00	50.00	0	97.8	0	200	45.39	7.49	20	
1,1-Dichloroethene	50.4	5.00	50.00	0	100.7	76.5	122	46.29	8.40	20	
1,1-Dichloropropene	51.9	5.00	50.00	0	103.9	0	200	48.42	7.01	20	
1,2,3-Trichlorobenzene	51.2	5.00	50.00	0	102.3	0	200	48.76	4.78	20	
1,2,3-Trichloropropane	45.4	5.00	50.00	0	90.8	0	200	42.91	5.60	20	
1,2,3-Trimethylbenzene	48.7	5.00	50.00	0	97.4	0	200	46.27	5.16	20	
1,2,4-Trichlorobenzene	51.4	5.00	50.00	0	102.9	0	200	48.90	5.04	20	

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Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_TPH_8260S_W

Sample ID: **LCSD-N110111-1** SampType: **LCSD** Units: **µg/L** Prep Date: **1/11/2011** RunNo: **144511**
Client ID: **ZZZZZZ** Batch ID: **65392** **SW5030** Analysis Date: **1/11/2011** SeqNo: **2838007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	49.7	5.00	50.00	0	99.5	0	200	46.12	7.55	20	
1,2-Dibromo-3-chloropropane	49.9	5.00	50.00	0	99.9	0	200	47.92	4.11	20	
1,2-Dibromoethane	46.5	5.00	50.00	0	93.0	85	115	45.02	3.21	20	
1,2-Dichlorobenzene	48.0	5.00	50.00	0	96.0	86.4	116	44.21	8.18	20	
1,2-Dichloroethane	47.7	5.00	50.00	0	95.4	82	121	44.99	5.83	20	
1,2-Dichloropropane	46.3	5.00	50.00	0	92.6	0	200	44.41	4.17	20	
1,3,5-Trimethylbenzene	49.2	5.00	50.00	0	98.4	0	200	46.58	5.45	20	
1,3-Dichlorobenzene	49.2	5.00	50.00	0	98.3	85.2	116	46.43	5.73	20	
1,3-Dichloropropane	44.7	5.00	50.00	0	89.3	0	200	43.55	2.52	20	
1,4-Dichlorobenzene	48.6	5.00	50.00	0	97.3	83.6	117	46.03	5.49	20	
1-Chlorobutane	45.4	5.00	50.00	0	90.8	0	200	42.36	6.88	20	
2,2-Dichloropropane	52.9	5.00	50.00	0	105.8	0	200	50.26	5.08	20	
2-Butanone	113	25.0	125.0	0	90.1	65	124	107.7	4.52	20	
2-Chloroethyl vinyl ether	47.8	20.0	50.00	0	95.6	0	200	49.08	2.68	20	
2-Chlorotoluene	47.4	5.00	50.00	0	94.9	0	200	44.75	5.84	20	
2-Hexanone	102	25.0	125.0	0	81.7	0	200	99.63	2.44	20	
2-Nitropropane	465	50.0	500.0	0	93.0	0	200	439.8	5.62	20	
4-Chlorotoluene	47.6	5.00	50.00	0	95.3	0	200	44.54	6.71	20	
4-Methyl-2-pentanone	113	25.0	125.0	0	90.5	0	200	106.9	5.68	20	
Acetone	120	25.0	125.0	0	95.7	0	200	114.4	4.43	20	
Acetonitrile	459	50.0	500.0	0	91.8	0	200	333.9	31.6	20	R
Acrylonitrile	43.3	5.00	50.00	0	86.6	0	200	40.34	7.08	20	
Allyl chloride	48.1	5.00	50.00	0	96.3	0	200	44.47	7.90	20	
Benzene	47.8	2.00	50.00	0	95.5	82.7	117	44.92	6.15	20	
Bromobenzene	45.9	5.00	50.00	0	91.7	0	200	43.18	6.04	20	
Bromochloromethane	47.5	5.00	50.00	0	95.1	0	200	44.47	6.67	20	
Bromodichloromethane	49.7	5.00	50.00	0	99.3	87.4	117	45.90	7.89	20	
Bromoform	50.6	5.00	50.00	0	101.2	0	200	49.39	2.46	20	
Bromomethane	49.2	10.0	50.00	0	98.5	0	200	45.35	8.20	20	
Butyl acetate	42.7	25.0	50.00	0	85.4	0	200	41.66	2.49	20	
Carbon disulfide	49.4	5.00	50.00	0	98.8	0	200	44.93	9.50	20	

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_TPH_8260S_W

Sample ID: **LCSD-N110111-1** SampType: **LCSD** Units: **µg/L** Prep Date: **1/11/2011** RunNo: **144511**
Client ID: **ZZZZZZ** Batch ID: **65392** **SW5030** Analysis Date: **1/11/2011** SeqNo: **2838007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	55.5	5.00	50.00	0	111.0	78.8	130	51.68	7.16	20	
Chlorobenzene	47.3	5.00	50.00	0	94.7	84.5	114	46.12	2.61	20	
Chloroethane	48.8	10.0	50.00	0	97.6	0	200	45.10	7.90	20	
Chloroform	51.5	5.00	50.00	0	103.0	79	113	47.92	7.22	20	
Chloromethane	42.8	10.0	50.00	0	85.7	0	200	39.91	7.08	20	
Chloroprene	49.5	20.0	50.00	0	99.1	0	200	46.64	6.03	20	
cis-1,2-Dichloroethene	50.0	5.00	50.00	0	100.0	0	200	46.35	7.54	20	
cis-1,3-Dichloropropene	48.5	5.00	50.00	0	97.0	0	200	45.74	5.82	20	
cis-1,4-Dichloro-2-butene	42.9	5.00	50.00	0	85.8	0	200	41.46	3.37	20	
Cyclohexanone	187	50.0	250.0	0	74.9	0	200	182.1	2.79	20	
Dibromochloromethane	50.0	5.00	50.00	0	99.9	84	119	48.60	2.78	20	
Dibromomethane	48.9	5.00	50.00	0	97.8	0	200	46.00	6.13	20	
Dichlorodifluoromethane	57.7	10.0	50.00	0	115.3	0	200	54.34	5.93	20	
Diisopropyl ether	47.5	2.00	50.00	0	94.9	71.4	127	43.88	7.86	20	
Ethyl acetate	41.9	10.0	50.00	0	83.9	0	200	41.59	0.814	20	
Ethyl ether	46.5	5.00	50.00	0	93.1	0	200	43.70	6.29	20	
Ethyl methacrylate	44.9	5.00	50.00	0	89.8	0	200	43.24	3.79	20	
Ethylbenzene	47.7	5.00	50.00	0	95.5	83	113	44.77	6.42	20	
Ethyl-tert-butyl ether	47.2	2.00	50.00	0	94.4	74.5	122	44.06	6.86	20	
Heptane	61.4	20.0	50.00	0	122.8	0	200	57.78	6.07	20	
Hexachlorobutadiene	56.3	5.00	50.00	0	112.6	0	200	53.69	4.71	20	
Hexachloroethane	48.6	10.0	50.00	0	97.2	0	200	45.65	6.28	20	
Iodomethane	51.8	5.00	50.00	0	103.7	0	200	48.24	7.19	20	
Isopropylbenzene	49.0	5.00	50.00	0	98.1	0	200	46.20	5.96	20	
m,p-Xylenes	96.4	5.00	100.0	0	96.4	80.3	116	91.93	4.76	20	
Methacrylonitrile	45.2	10.0	50.00	0	90.4	0	200	42.42	6.39	20	
Methyl Methacrylate	46.9	5.00	50.00	0	93.8	0	200	44.54	5.12	20	
Methyl tert-butyl ether	47.1	2.00	50.00	0	94.2	69.1	121	43.50	7.97	20	
Methylacrylate	45.8	10.0	50.00	0	91.5	0	200	42.16	8.19	20	
Methylene chloride	47.4	5.00	50.00	0	94.7	79.1	122	44.72	5.76	20	
Naphthalene	48.9	10.0	50.00	0	97.8	60.4	129	45.71	6.70	20	

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_TPH_8260S_W

Sample ID: **LCSD-N110111-1**	SampType: **LCSD**	Units: **µg/L**	Prep Date: **1/11/2011**	RunNo: **144511**
Client ID: **ZZZZZZ**	Batch ID: **65392**	**SW5030**	Analysis Date: **1/11/2011**	SeqNo: **2838007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	51.2	5.00	50.00	0	102.3	0	200	48.27	5.79	20	
n-Hexane	56.4	20.0	50.00	0	112.9	0	200	53.23	5.87	20	
Nitrobenzene	493	50.0	500.0	0	98.5	0	200	467.9	5.14	20	
n-Propylbenzene	47.9	5.00	50.00	0	95.8	0	200	44.37	7.69	20	
o-Xylene	47.4	5.00	50.00	0	94.8	83.2	120	45.71	3.67	20	
Pentachloroethane	50.4	20.0	50.00	0	100.8	0	200	48.71	3.45	20	
p-Isopropyltoluene	49.9	5.00	50.00	0	99.8	0	200	46.68	6.65	20	
Propionitrile	437	50.0	500.0	0	87.4	0	200	420.0	3.99	20	
sec-Butylbenzene	49.2	5.00	50.00	0	98.5	0	200	47.10	4.44	20	
Styrene	47.9	5.00	50.00	0	95.7	0	200	46.59	2.69	20	
tert-Amyl methyl ether	47.1	2.00	50.00	0	94.2	79.7	117	43.42	8.13	20	
tert-Butyl alcohol	213	25.0	250.0	0	85.3	68.2	135	199.4	6.78	20	
tert-Butylbenzene	48.4	5.00	50.00	0	96.8	0	200	45.98	5.09	20	
Tetrachloroethene	53.0	5.00	50.00	0	106.0	68.7	113	50.21	5.41	20	
Tetrahydrofuran	39.2	20.0	50.00	0	78.5	0	200	36.70	6.71	20	
Toluene	48.3	5.00	50.00	0	96.6	79.6	116	45.52	5.91	20	
trans-1,2-Dichloroethene	48.0	5.00	50.00	0	95.9	0	200	44.71	7.01	20	
trans-1,3-Dichloropropene	47.4	5.00	50.00	0	94.8	0	200	45.41	4.31	20	
trans-1,4-Dichloro-2-butene	43.2	10.0	50.00	0	86.5	0	200	40.24	7.16	20	
Trichloroethene	51.6	5.00	50.00	0	103.2	79.4	111	49.37	4.38	20	
Trichlorofluoromethane	55.3	5.00	50.00	0	110.5	0	200	50.27	9.46	20	
Vinyl acetate	46.0	10.0	50.00	0	92.1	0	200	43.12	6.53	20	
Vinyl chloride	42.9	2.00	50.00	0	85.9	0	200	40.04	6.99	20	
Xylenes, Total	144	5.00	150.0	0	95.9	80.3	120	137.6	4.40	20	
1,3-Dichloropropene, Total	95.9	5.00	100.0	0	95.9	0	200	91.15	5.07	20	
1,4-Dichloro-2-butene, Total	86.1	10.0	100.0	0	86.1	0	200	81.70	5.26	20	
1,2-Dichloroethene, Total	97.9	5.00	100.0	0	97.9	0	200	91.06	7.28	20	
Surr: 1,2-Dichloroethane-d4	50.6		50.00		101.2	74.7	129		0	20	
Surr: 4-Bromofluorobenzene	53.8		50.00		107.5	86	119		0	20	
Surr: Dibromofluoromethane	51.9		50.00		103.8	81.7	123		0	20	
Surr: Toluene-d8	48.6		50.00		97.1	84.3	114		0	20	

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_TPH_8260S_W

Sample ID: **LCSG-N110111-1** SampType: **LCSG** Units: **µg/L** Prep Date: **1/11/2011** RunNo: **144511**
Client ID: **ZZZZZZ** Batch ID: **65392** **SW5030** Analysis Date: **1/11/2011** SeqNo: **2838009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH - GRO (C6 - C10)	2160	500	2000	0	107.8	70	130				
Surr: 1,2-Dichloroethane-d4	51.2		50.00		102.4	74.7	129				
Surr: 4-Bromofluorobenzene	53.3		50.00		106.6	86	119				
Surr: Dibromofluoromethane	51.0		50.00		102.0	81.7	123				
Surr: Toluene-d8	49.3		50.00		98.7	84.3	114				

Sample ID: **LCSGD-N110111-1** SampType: **LCSGD** Units: **µg/L** Prep Date: **1/11/2011** RunNo: **144511**
Client ID: **ZZZZZZ** Batch ID: **65392** **SW5030** Analysis Date: **1/11/2011** SeqNo: **2838010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH - GRO (C6 - C10)	2210	500	2000	0	110.4	70	130	2156	2.36	20	
Surr: 1,2-Dichloroethane-d4	49.2		50.00		98.3	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	53.7		50.00		107.4	86	119		0	0	
Surr: Dibromofluoromethane	49.5		50.00		99.0	81.7	123		0	0	
Surr: Toluene-d8	49.0		50.00		98.0	84.3	114		0	0	

Sample ID: **MBLK-N110111-1** SampType: **MBLK** Units: **µg/L** Prep Date: **1/11/2011** RunNo: **144511**
Client ID: **ZZZZZZ** Batch ID: **65392** **SW5030** Analysis Date: **1/11/2011** SeqNo: **2838012**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.00									
1,1,1-Trichloroethane	ND	5.00									
1,1,2,2-Tetrachloroethane	ND	5.00									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	20.0									
1,1,2-Trichloroethane	ND	5.00									
1,1-Dichloro-2-propanone	ND	50.0									
1,1-Dichloroethane	ND	5.00									
1,1-Dichloroethene	ND	5.00									
1,1-Dichloropropene	ND	5.00									
1,2,3-Trichlorobenzene	ND	5.00									

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_TPH_8260S_W

Sample ID: **MBLK-N110111-1**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **1/11/2011**	RunNo: **144511**
Client ID: **ZZZZZZ**	Batch ID: **65392**	**SW5030**	Analysis Date: **1/11/2011**	SeqNo: **2838012**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	5.00									
1,2,3-Trimethylbenzene	ND	5.00									
1,2,4-Trichlorobenzene	ND	5.00									
1,2,4-Trimethylbenzene	ND	5.00									
1,2-Dibromo-3-chloropropane	ND	5.00									
1,2-Dibromoethane	ND	5.00									
1,2-Dichlorobenzene	ND	5.00									
1,2-Dichloroethane	ND	5.00									
1,2-Dichloropropane	ND	5.00									
1,3,5-Trimethylbenzene	ND	5.00									
1,3-Dichlorobenzene	ND	5.00									
1,3-Dichloropropane	ND	5.00									
1,4-Dichlorobenzene	ND	5.00									
1-Chlorobutane	ND	5.00									
2,2-Dichloropropane	ND	5.00									
2-Butanone	ND	25.0									
2-Chloroethyl vinyl ether	ND	20.0									
2-Chlorotoluene	ND	5.00									
2-Hexanone	ND	25.0									
2-Nitropropane	ND	50.0									
4-Chlorotoluene	ND	5.00									
4-Methyl-2-pentanone	ND	25.0									
Acetone	ND	25.0									
Acetonitrile	ND	50.0									
Acrolein	ND	100									
Acrylonitrile	ND	5.00									
Allyl chloride	ND	5.00									
Benzene	ND	2.00									
Bromobenzene	ND	5.00									
Bromochloromethane	ND	5.00									
Bromodichloromethane	ND	5.00									

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_TPH_8260S_W

Sample ID: **MBLK-N110111-1**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **1/11/2011**	RunNo: **144511**
Client ID: **ZZZZZZ**	Batch ID: **65392**	**SW5030**	Analysis Date: **1/11/2011**	SeqNo: **2838012**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	ND	5.00									
Bromomethane	ND	10.0									
Butyl acetate	ND	25.0									
Carbon disulfide	ND	5.00									
Carbon tetrachloride	ND	5.00									
Chlorobenzene	ND	5.00									
Chloroethane	ND	10.0									
Chloroform	ND	5.00									
Chloromethane	ND	10.0									
Chloroprene	ND	20.0									
cis-1,2-Dichloroethene	ND	5.00									
cis-1,3-Dichloropropene	ND	5.00									
cis-1,4-Dichloro-2-butene	ND	5.00									
Cyclohexanone	ND	50.0									
Dibromochloromethane	ND	5.00									
Dibromomethane	ND	5.00									
Dichlorodifluoromethane	ND	10.0									
Diisopropyl ether	ND	2.00									
Ethyl acetate	ND	10.0									
Ethyl ether	ND	5.00									
Ethyl methacrylate	ND	5.00									
Ethylbenzene	ND	5.00									
Ethyl-tert-butyl ether	ND	2.00									
Heptane	ND	20.0									
Hexachlorobutadiene	ND	5.00									
Hexachloroethane	ND	10.0									
Iodomethane	ND	5.00									
Isopropylbenzene	ND	5.00									
m,p-Xylenes	ND	5.00									
Methacrylonitrile	ND	10.0									
Methyl Methacrylate	ND	5.00									

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_TPH_8260S_W

Sample ID: **MBLK-N110111-1**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **1/11/2011**	RunNo: **144511**
Client ID: **ZZZZZZ**	Batch ID: **65392**	**SW5030**	Analysis Date: **1/11/2011**	SeqNo: **2838012**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	ND	2.00									
Methylacrylate	ND	10.0									
Methylene chloride	ND	5.00									
Naphthalene	ND	10.0									
n-Butylbenzene	ND	5.00									
n-Hexane	ND	20.0									
Nitrobenzene	ND	50.0									
n-Propylbenzene	ND	5.00									
o-Xylene	ND	5.00									
Pentachloroethane	ND	20.0									
p-Isopropyltoluene	ND	5.00									
Propionitrile	ND	50.0									
sec-Butylbenzene	ND	5.00									
Styrene	ND	5.00									
tert-Amyl methyl ether	ND	2.00									
tert-Butyl alcohol	ND	25.0									
tert-Butylbenzene	ND	5.00									
Tetrachloroethene	ND	5.00									
Tetrahydrofuran	ND	20.0									
Toluene	ND	5.00									
trans-1,2-Dichloroethene	ND	5.00									
trans-1,3-Dichloropropene	ND	5.00									
trans-1,4-Dichloro-2-butene	ND	10.0									
Trichloroethene	ND	5.00									
Trichlorofluoromethane	ND	5.00									
Vinyl acetate	ND	10.0									
Vinyl chloride	ND	2.00									
Xylenes, Total	ND	5.00									
TPH - GRO (C6 - C10)	ND	500									
1,3-Dichloropropene, Total	ND	5.00									
1,4-Dichloro-2-butene, Total	ND	10.0									

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_TPH_8260S_W

Sample ID: **MBLK-N110111-1** SampType: **MBLK** Units: **µg/L** Prep Date: **1/11/2011** RunNo: **144511**
Client ID: **ZZZZZZ** Batch ID: **65392** **SW5030** Analysis Date: **1/11/2011** SeqNo: **2838012**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethene, Total	ND	5.00									
Surr: 1,2-Dichloroethane-d4	49.3		50.00		98.6	74.7	129				
Surr: 4-Bromofluorobenzene	51.6		50.00		103.2	86	119				
Surr: Dibromofluoromethane	51.2		50.00		102.3	81.7	123				
Surr: Toluene-d8	49.1		50.00		98.1	84.3	114				

Sample ID: **11010237-003CMS** SampType: **MS** Units: **µg/L** Prep Date: **1/11/2011** RunNo: **144511**
Client ID: **P13-GWMS** Batch ID: **65392** **SW5030** Analysis Date: **1/11/2011** SeqNo: **2838019**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	45.7	5.00	48.00	0	95.2	21.4	139				
Benzene	48.2	2.00	48.00	0	100.3	57.8	125				
Chlorobenzene	50.5	5.00	48.00	0	105.2	72.9	119				
Ethylbenzene	51.7	5.00	48.00	0	107.8	72.8	123				
m,p-Xylenes	52.8	5.00	48.00	0	110.1	74.6	125				
o-Xylene	49.9	5.00	48.00	0	103.9	73	127				
Toluene	51.0	5.00	48.00	0	106.3	75.8	123				
Trichloroethene	50.7	5.00	48.00	0	105.6	67.1	115				
Xylenes, Total	103	5.00	96.00	0	107.0	73	127				
Surr: 1,2-Dichloroethane-d4	48.7		50.00		97.4	74.7	129				
Surr: 4-Bromofluorobenzene	50.4		50.00		100.8	86	119				
Surr: Toluene-d8	48.7		50.00		97.4	84.3	114				

Sample ID: **11010237-003CMSD** SampType: **MSD** Units: **µg/L** Prep Date: **1/11/2011** RunNo: **144511**
Client ID: **P13-GWMSD** Batch ID: **65392** **SW5030** Analysis Date: **1/11/2011** SeqNo: **2838020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	44.8	5.00	48.00	0	93.4	21.4	139	45.70	1.92	20	
Benzene	48.7	2.00	48.00	0	101.4	57.8	125	48.15	1.07	20	
Chlorobenzene	51.1	5.00	48.00	0	106.4	72.9	119	50.49	1.12	20	

IL ELAP and NELAP Accredited - Accreditation #100226

Client: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237 **Report Date:** *13-Jan-11*

ANALYTICAL QC SUMMARY REPORT

TestCode: V_TPH_8260S_W

Sample ID: **11010237-003CMSD** SampType: **MSD** Units: **µg/L** Prep Date: **1/11/2011** RunNo: **144511**
Client ID: **P13-GWMSD** Batch ID: **65392** **SW5030** Analysis Date: **1/11/2011** SeqNo: **2838020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	52.4	5.00	48.00	0	109.2	72.8	123	51.73	1.34	20	
m,p-Xylenes	53.6	5.00	48.00	0	111.6	74.6	125	52.83	1.35	20	
o-Xylene	51.1	5.00	48.00	0	106.4	73	127	49.89	2.34	20	
Toluene	51.4	5.00	48.00	0	107.0	75.8	123	51.02	0.664	20	
Trichloroethene	50.5	5.00	48.00	0	105.3	67.1	115	50.69	0.316	20	
Xylenes, Total	105	5.00	96.00	0	109.0	73	127	102.7	1.83	20	
Surr: 1,2-Dichloroethane-d4	49.0		50.00		98.1	74.7	129		0	0	
Surr: 4-Bromofluorobenzene	51.4		50.00		102.7	86	119		0	0	
Surr: Toluene-d8	50.0		50.00		100.1	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: Riverfront Environmental, Inc.
Project: Oakland Heights 5938-04
Lab Order: 11010237
Report Date: 13-Jan-11

Carrier: FedEx

Received By: TWM

Completed by: Timothy W. Mathis
On: 07-Jan-11

Reviewed by: Elizabeth A. Hurley
On: 07-Jan-11

Pages to follow: Chain of custody 1 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 4.2
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 - vials have zero headspace?	Yes ☑	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Any No responses must be detailed below or on the COC.

Samples were filtered and preserved for the dissolved parameters upon arrival at the laboratory. TWM 1/7/11

CHAIN OF CUSTODY

pg. ____ of ____ Work Order # 1101023 7

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: Riverfront Environmental
Address: 1139 Olive St. Ste 300
City / State / Zip: St. Louis MO 63101
Contact: Craig LaMette Phone: 314.436.9492
E-Mail: craig@riverfrontenviron-mental.com Fax: 314.436.9733

Samples on: ☒ Ice ☐ Blue Ice ☐ No Ice 4.2 °C
Preserved in: ☐ Lab ☐ Field FOR LAB USE ONLY
Lab Notes: * Trip Blank info. per containers. SAH 1/7/11
Comments: ⊛ Dissolved metals w/ lab filter per Theresa @ Riverfront. SAH 1/7/11
⊛ headspace - SAH 1/7/11

- Are these samples known to be involved in litigation? If yes, a surcharge will apply. ☐ Yes ☐ No
- Are these samples known to be hazardous? ☐ Yes ☐ No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. ☐ Yes ☐ No

Project Name / Number: Oakland Heights 5138-04
Sample Collector's Name:
Results Requested: ☐ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other_____ ☐ 3 Day (50% Surcharge)
Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO_3	NaOH	H_2SO_4	HCL	MeOH	$NaHSO_4$	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	VOCs - 8260	TPH/GRO - 8260	DRO/ORO/PNA	Total Lead ⊛	RCRA 8 Metals ⊛
1101023 7 001	P1-GW	1/6/11 2:00									X					X	X	X	X	X
	[redacted]										X									
002	P14-GW	1/6/11 2:34									X									
003	P13-GW	3:00									X									
004	P17-GW	3:23									X									
005	P21-GW	3:30									X									
006	Trip Blank *	12/29/10 1515					5													

Relinquished By	Date / Time	Received By	Date / Time
[signature]	1/6/11 1600	[signature]	1/6/11 1600
[signature]	1/6/11 1730	[signature] (FedEx)	~~1/6~~ 1-7-11 1130

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE & YELLOW – LAB PINK – SAMPLER'S COPY

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/19/2011
Report Number: 0111004578
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189021	SSQH001	Lead Soil	320
4189022	SSQH002	Lead Soil	1100
4189023	SSQH003	Lead Soil	540
4189024	SSQH004	Lead Soil	620
4189025	SSQH005	Lead Soil	500
4189026	SSQH006	Lead Soil	380
4189027	SSQH007	Lead Soil	380
4189028	SSQH008	Lead Soil	580
4189029	SSQH009	Lead Soil	1100
4189030	SSQH010	Lead Soil	1100

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

Analysis Method: EPA SW846-(7420/7421) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges And Sediments By AAS"

Comments: IATL assumes that all of the sampling methods and data upon which these results are based, have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40 CFR Part 136 Appendix B. Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=2.9 mg/kg RL=10 mg/kg (based upon 1000 mg sampled). Mg/kg=ppm Sample results are not corrected for contamination by field or analytical blanks.

Date Received: 1/13/2011
Date Analyzed: 1/19/2011
Analyst: C. Shaffer

Approved By: _____
Frank E. Ehrenfeld, III
Laboratory Director

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/19/2011
Report Number: 0111004578
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189031	SSQH011	Lead Soil	1100
4189032	SSQH012	Lead Soil	530
4189033	SSQH013	Lead Soil	850
4189034	SSQH014	Lead Soil	2100
4189035	SSQH015	Lead Soil	1100
4189036	SSQH016	Lead Soil	920
4189037	SSQH017	Lead Soil	980
4189038	SSQH018	Lead Soil	690
4189039	SSQH019	Lead Soil	760
4189040	SSQH020	Lead Soil	820

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

Analysis Method: EPA SW846-(7420/7421) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges And Sediments By AAS"

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Date Received: 1/13/2011

Date Analyzed: 1/19/2011

Analyst: C. Shaffer

IATL International Asbestos Testing Laboratories

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Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/19/2011
Report Number: 0111004578
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189041	SSQH021	Lead Soil	840
4189042	SSQH022	Lead Soil	670
4189043	SSQH023	Lead Soil	450
4189044	SSQH024	Lead Soil	660
4189045	SSQH025	Lead Soil	760
4189046	SSQH026	Lead Soil	570
4189047	SSQH027	Lead Soil	570
4189048	SSQH028	Lead Soil	550
4189049	SSQH029	Lead Soil	500
4189050	SSQH030	Lead Soil	240

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

Analysis Method: EPA SW846-(7420/7421) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges And Sediments By AAS"

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Date Received: 1/13/2011

Date Analyzed: 1/19/2011

Analyst: C. Shaffer

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CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/19/2011
Report Number: 0111004578
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189051	SSQH031	Lead Soil	400
4189052	SSQH032	Lead Soil	660
4189053	SSQH033	Lead Soil	640
4189054	SSQH034	Lead Soil	450
4189055	SSQH035	Lead Soil	300
4189056	SSQH036	Lead Soil	550
4189057	SSQH037	Lead Soil	590
4189058	SSQH038	Lead Soil	390
4189059	SSQH039	Lead Soil	570
4189060	SSQH040	Lead Soil	460

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

Analysis Method: EPA SW846-(7420/7421) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges And Sediments By AAS"

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Date Received: 1/13/2011

Date Analyzed: 1/19/2011

Analyst: C. Shaffer

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CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/19/2011
Report Number: 0111004578
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189061	SSQH041	Lead Soil	340
4189062	SSQH042	Lead Soil	440
4189063	SSQH043	Lead Soil	200
4189064	SSQH044	Lead Soil	370
4189065	SSQH045	Lead Soil	450
4189066	SSQH046	Lead Soil	310
4189067	SSQH047	Lead Soil	670
4189068	SSQH048	Lead Soil	740
4189069	SSQH049	Lead Soil	430
4189070	SSQH050	Lead Soil	640

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

Analysis Method: EPA SW846-(7420/7421) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges And Sediments By AAS"

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Date Received: 1/13/2011

Date Analyzed: 1/19/2011

Analyst: C. Shaffer

IATL International Asbestos Testing Laboratories

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Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/19/2011
Report Number: 0111004578
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189071	SSQH051	Lead Soil	890
4189072	SSQH052	Lead Soil	380

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

Analysis Method: EPA SW846-(7420/7421) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges And Sediments By AAS"

Comments: IATL assumes that all of the sampling methods and data upon which these results are based, have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40 CFR Part 136 Appendix B. Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=2.9 mg/kg RL=10 mg/kg (based upon 1000 mg sampled). Mg/kg=ppm Sample results are not corrected for contamination by field or analystical blanks.

Date Received: 1/13/2011

Date Analyzed: 1/19/2011

Analyst: C. Shaffer

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway
Suite B
Mt. Laurel, NJ 08054
Toll Free: 877 428-4285
info@iatl.com
www.iatl.com

Chain of Custody – Sample Log

Environmental Lead

Client: Riverfront Environmental, Inc.

Facility:

Instructions:

Analysis:
___ Atomic Absorption Spectroscopy (Flame)
___ Atomic Absorption Spectroscopy (Furnace)
___ ASTM (Paint, Wipe)

Method:
___ NIOSH 7082 (Air)
X EPA SW846 (Soil)

Project No.: 5832-03

Client Contact: Craig Lanouette
Telephone: 314-436-9492
Fax: 314-436-9733
Cell:

Lab Contact: Shirley Clark / Ray Sankey

Lab Director: Frank Ehrenfeld

Turn Around: ☑ 5 Day, ☐ 3 Day, ☐ 2 Day, ☐ Next Day, ☐ Same Day

RECEIVED
JAN 13 2011
IATL By

160 Samples
3 Boxes

Samples Relinquished:	Date: 1-12-11	Time:
Samples Received:	Date:	Time:
Sample Prep/Analysis: 1/19/11	Date:	Time:
Prelim. Results Released:	Date:	Time:

Summary Data

Client Sample #	IATL #	Location / Description	Flow Rate	Start / End	Sampling time (min)	Area (ft²) Volume (L)	AAS Results ( )
SSQH001							
THRU							
SSQH160							

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)
** = Insufficient Sample Provided to Analyze (<50mg)
***= Matrix / Substrate Interference Possible
FB = Method Requires the submittal of blank(s).
ML = Multi Layered Sample. May result in inconsistent results.

BMC 1/13/11

Page 1 of 1

These **preliminary results** are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

PLM Sample Log

Client: Riverfront Environmental

Project #: 5832-03

Date Received:

Project Name:

Turn Around Time: 5 Day

Client Contact: RS

Client Sample #	IATL #	Comments	Client Sample #	IATL #	Comments
SSQH 001	4189021		027	4189047	
002	4189022		028	4189048	
003	4189023		029	4189049	
004	4189024		030	4189050	
005	4189025		031	4189051	
006	4189026		032	4189052	
007	4189027		033	4189053	
008	4189028		034	4189054	
009	4189029		035	4189055	
010	4189030		036	4189056	
011	4189031		037	4189057	
012	4189032		038	4189058	
013	4189033		039	4189059	
014	4189034		040	4189060	
015	4189035		041	4189061	
016	4189036		042	4189062	
017	4189037		043	4189063	
018	4189038		044	4189064	
019	4189039		045	4189065	
020	4189040		046	4189066	
021	4189041		047	4189067	
022	4189042		048	4189068	
023	4189043		049	4189069	
024	4189044		050	4189070	
025	4189045		051	4189071	
026	4189046		052	4189072	

Delivered By: Date:

Received By: Date:

Analyzed By: Date:

iATL
INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll free: 877 428-4285
Local: 856-231-9449
Fax: 856-231-9818
info@iatl.com

PRELIMINARY RESULTS

Deliver Promptly To: _____

Company: _____

Fax/Email: _____

From: _____

Date: _____

Number of Pages Including This Page: _____

iATL provides our clients with several means of receiving their analytical results (preliminary results FAXed and/or emailed). We also recommend that you apply for a Client Portal account so that you can track your samples and access your secure data. Details can be attained at www.iatl.com.

Message: LEAD RESULTS

For bulk asbestos analysis, if you require that certain samples move forward to gravimetric reduction TEM analysis (ex. TEM-NOB by ELAP 198.4 or equivalent), please look over your PLM bulk asbestos results, circle or highlight any samples/layers that require additional analysis, and submit to us as soon-as possible. FAX 856-231-9818, info@iatl.com.

For airborne fiber counts by PCM 7400, if you require that certain samples move forward to airborne TEM analysis (ex. TEM-NIOSH 7402 or equivalent), please look over your PCM results, circle or highlight any samples that require additional analysis, and submit to us as soon as possible. FAX 856-231-9818, info@iatl.com.

Preliminary results are issued by IATL to expedite client decision making.
There are several factors that limit these results: sampling methods, sampling data, packaging and handling.

These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COA is considered the official results.

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IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/18/2011
Report Number: 0111004278
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189181	SSPDWalk001	Lead Soil	31
4189182	SSPDWalk002	Lead Soil	35
4189183	SSPDWalk003	Lead Soil	32

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

Analysis Method: EPA SW846-(7420/7421) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges And Sediments By AAS"

Comments: IATL assumes that all of the sampling methods and data upon which these results are based, have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40 CFR Part 136 Appendix B. Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=2.9 mg/kg RL=10 mg/kg (based upon 1000 mg sampled). Mg/kg=ppm Sample results are not corrected for contamination by field or analytical blanks.

Date Received: 1/13/2011
Date Analyzed: 1/18/2011
Analyst: C. Shaffer

Approved By: _____
Frank E. Ehrenfeld, III
Laboratory Director

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway
Suite B
Mt. Laurel, NJ 08054
Toll Free: 877 428-4285
info@iatl.com
www.iatl.com

Chain of Custody – Sample Log

Environmental Lead

Client: Riverfront Environmental, Inc.

Facility:

Instructions:

Analysis:
____ Atomic Absorption Spectroscopy (Flame)
____ Atomic Absorption Spectroscopy (Furnace)

Method:
____ ASTM (Paint, Wipe)
____ NIOSH 7082 (Air)
X EPA SW846 (Soil)

Project No.: 5832-03

Client Contact: Craig Lanouette
Telephone: 314-436-9492
Fax: 314-436-9733
Cell:

Lab Contact: Shirley Clark / Ray Sankey

Lab Director: Frank Ehrenfeld

Turn Around: X 5 Day, 3 Day, 2 Day, Next Day, Same Day

1 BAG
3 SAMPLES

Samples Relinquished:	Date: 1-12-11	Time:
Samples Received:	Date:	Time:
Sample Prep/Analysis: 01/17/11	Date:	Time:
Prelim. Results Released:	Date:	Time:

JAN 13 2011
IATL - By

Summary Data

Client Sample #	IATL #	Location / Description	Flow Rate	Start / End	Sampling time (min)	Area (ft²) Volume (L)	AAS Results ( )
SSPDWalk001							
THRU							
SSPDWalk003							
SSPDWalk001	4189181						
002	4189182						
003	4189183						

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)
** = Insufficient Sample Provided to Analyze (<50mg)
***= Matrix / Substrate Interference Possible
FB = Method Requires the submittal of blank(s).
ML = Multi Layered Sample. May result in inconsistent results.

1/13/11

Page 1 of 1

These **preliminary results** are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/18/2011
Report Number: 0111004279
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189184	SSPDRW001	Lead Soil	600
4189185	SSPDRW002	Lead Soil	680
4189186	SSPDRW003	Lead Soil	740
4189187	SSPDRW004	Lead Soil	780
4189188	SSPDRW005	Lead Soil	640
4189189	SSPDRW006	Lead Soil	780
4189190	SSPDRW007	Lead Soil	490
4189191	SSPDRW008	Lead Soil	500
4189192	SSPDRW009	Lead Soil	310
4189193	SSPDRW010	Lead Soil	370

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

Analysis Method: EPA SW846-(7420/7421) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges And Sediments By AAS"

Comments: IATL assumes that all of the sampling methods and data upon which these results are based, have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40 CFR Part 136 Appendix B. Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=2.9 mg/kg RL=10 mg/kg (based upon 1000 mg sampled). Mg/kg=ppm Sample results are not corrected for contamination by field or analystical blanks.

Date Received: 1/13/2011
Date Analyzed: 1/18/2011
Analyst: C. Shaffer

Approved By: _____
Frank E. Ehrenfeld, III
Laboratory Director

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/18/2011
Report Number: 0111004279
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189194	SSPDRW011	Lead Soil	590
4189195	SSPDRW012	Lead Soil	440
4189196	SSPDRW013	Lead Soil	390
4189197	SSPDRW014	Lead Soil	210
4189198	SSPDRW015	Lead Soil	440
4189199	SSPDRW016	Lead Soil	370
4189200	SSPDRW017	Lead Soil	270
4189201	SSPDRW018	Lead Soil	210
4189202	SSPDRW019	Lead Soil	590
4189203	SSPDRW020	Lead Soil	860

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

Analysis Method: EPA SW846-(7420/7421) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges And Sediments By AAS"

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Date Received: 1/13/2011

Date Analyzed: 1/18/2011

Analyst: C. Shaffer

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CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/18/2011
Report Number: 0111004279
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189204	SSPDRW021	Lead Soil	400
4189205	SSPDRW022	Lead Soil	750
4189206	SSPDRW023	Lead Soil	660
4189207	SSPDRW024	Lead Soil	3800
4189208	SSPDRW025	Lead Soil	830
4189209	SSPDRW026	Lead Soil	520
4189210	SSPDRW027	Lead Soil	24
4189211	SSPDRW028	Lead Soil	32
4189212	SSPDRW029	Lead Soil	26
4189213	SSPDRW030	Lead Soil	25

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

Analysis Method: EPA SW846-(7420/7421) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges And Sediments By AAS"

Comments: IATL assumes that all of the sampling methods and data upon which these results are based, have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40 CFR Part 136 Appendix B. Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=2.9 mg/kg RL=10 mg/kg (based upon 1000 mg sampled). Mg/kg=ppm Sample results are not corrected for contamination by field or analystical blanks.

Date Received: 1/13/2011

Date Analyzed: 1/18/2011

Analyst: C. Shaffer

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CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/18/2011
Report Number: 0111004279
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189214	SSPDRW031	Lead Soil	28
4189215	SSPDRW032	Lead Soil	36
4189216	SSPDRW033	Lead Soil	32
4189217	SSPDRW034	Lead Soil	27

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

Analysis Method: EPA SW846-(7420/7421) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges And Sediments By AAS"

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Date Received: 1/13/2011

Date Analyzed: 1/18/2011

Analyst: C. Shaffer

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway
Suite B
Mt. Laurel, NJ 08054
Toll Free: 877 428-4285
info@iatl.com
www.iatl.com

Chain of Custody – Sample Log

Environmental Lead

Client: Riverfront Environmental, Inc.

Facility:

Instructions:

Analysis:
____ Atomic Absorption Spectroscopy (Flame)
____ Atomic Absorption Spectroscopy (Furnace)
____ ASTM (Paint, Wipe)

Method:
____ NIOSH 7082 (Air)
X EPA SW846 (Soil)

Project No.: 5832-03

Client Contact: Craig Lanouette
Telephone: 314-436-9492
Fax: 314-436-9733
Cell:

Lab Contact: Shirley Clark / Ray Sankey

Lab Director: Frank Ehrenfeld

Turn Around: ☑ 5 Day, ☐ 3 Day, ☐ 2 Day, ☐ Next Day, ☐ Same Day

RECEIVED JAN 13 2011 IATL By

1 Box
34 SAMPLES

Samples Relinquished:	Date: 1-12-11	Time:
Samples Received:	Date:	Time:
Sample Prep/Analysis: 1/17/11	Date:	Time:
Prelim. Results Released:	Date:	Time:

Summary Data

Client Sample #	IATL #	Location / Description	Flow Rate	Start / End	Sampling time (min)	Area (ft²) Volume (L)	AAS Results ( )
SSPDRW001							
THRU							
SSPDRW034							

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)
** = Insufficient Sample Provided to Analyze (<50mg)
***= Matrix / Substrate Interference Possible
FB = Method Requires the submittal of blank(s).
ML = Multi Layered Sample. May result in inconsistent results.

DMO 1/13/11

Page 1 of 1

These **preliminary results** are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway. Suite B, Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

PLM Sample Log

Client: Riverfront Environmental

Project #: 5832-03

Date Received:

Project Name:

Turn Around Time: 5 Day

Client Contact: RS

Client Sample #	IATL #	Comments	Client Sample #	IATL #	Comments
SSPDRW 001	4189184		027	4189210	
002	4189185		028	4189211	
003	4189186		029	4189212	
004	4189187		030	4189213	
005	4189188		031	4189214	
006	4189189		032	4189215	
007	4189190		033	4189216	
008	4189191		034	4189217	
009	4189192				
010	4189193				
011	4189194				
012	4189195				
013	4189196				
014	4189197				
015	4189198				
016	4189199				
017	4189200				
018	4189201				
019	4189202				
020	4189203				
021	4189204				
022	4189205				
023	4189206				
024	4189207				
025	4189208				
026	4189209				

Delivered By: Date:

Received By: Date:

Analyzed By: Date:

iATL
INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll free: 877 428-4285
Local: 856-231-9449
Fax: 856-231-9818
info@iatl.com

PRELIMINARY RESULTS

Deliver Promptly To: _____

Company: _____

Fax/Email: _____

From: _____

Date: _____

Number of Pages Including This Page: _____

Message: LEAD RESULTS

iATL provides our clients with several means of receiving their analytical results (preliminary results FAXed and/or emailed). We also recommend that you apply for a Client Portal account so that you can track your samples and access your secure data. Details can be attained at www.iatl.com.

For bulk asbestos analysis, if you require that certain samples move forward to gravimetric reduction TEM analysis (ex. TEM-NOB by ELAP 198.4 or equivalent), please look over your PLM bulk asbestos results, circle or highlight any samples/layers that require additional analysis, and submit to us as soon-as possible. FAX 856-231-9818, info@iatl.com.

For airborne fiber counts by PCM 7400, if you require that certain samples move forward to airborne TEM analysis (ex. TEM-NIOSH 7402 or equivalent), please look over your PCM results, circle or highlight any samples that require additional analysis, and submit to us as soon as possible. FAX 856-231-9818, info@iatl.com.

Preliminary results are issued by IATL to expedite client decision making.
There are several factors that limit these results: sampling methods, sampling data, packaging and handling.

These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COA is considered the official results.

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IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/14/2011
Report Number: 0111003668
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4188965	SSPDSG001	Lead Soil	490
4188966	SSPDSG002	Lead Soil	1600
4188967	SSPDSG003	Lead Soil	430
4188968	SSPDSG004	Lead Soil	440
4188969	SSPDSG005	Lead Soil	47
4188970	SSPDSG006	Lead Soil	58
4188971	SSPDSG007	Lead Soil	43
4188972	SSPDSG008	Lead Soil	43
4188973	SSPDSG009	Lead Soil	36
4188974	SSPDSG010	Lead Soil	41

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

Analysis Method: EPA SW846-(7420/7421) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges And Sediments By AAS"

Comments: IATL assumes that all of the sampling methods and data upon which these results are based, have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40 CFR Part 136 Appendix B. Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=2.9 mg/kg RL=10 mg/kg (based upon 1000 mg sampled). Mg/kg=ppm Sample results are not corrected for contamination by field or analytical blanks.

Date Received: 1/13/2011
Date Analyzed: 1/14/2011
Analyst: C. Shaffer

Approved By: _____
Frank B. Ehrenfeld, III
Laboratory Director

IATL International Asbestos Testing Laboratories

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CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/14/2011
Report Number: 0111003668
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4188975	SSPDSG011	Lead Soil	55
4188976	SSPDSG012	Lead Soil	55
4188977	SSPDSG013	Lead Soil	57
4188978	SSPDSG014	Lead Soil	65
4188979	SSPDSG015	Lead Soil	60
4188980	SSPDSG016	Lead Soil	67
4188981	SSPDSG017	Lead Soil	68
4188982	SSPDSG018	Lead Soil	65
4188983	SSPDSG019	Lead Soil	74
4188984	SSPDSG020	Lead Soil	63

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

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Date Received: 1/13/2011

Date Analyzed: 1/14/2011

Analyst: C. Shaffer

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CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/14/2011
Report Number: 0111003668
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4188985	SSPDSG021	Lead Soil	69
4188986	SSPDSG022	Lead Soil	53
4188987	SSPDSG023	Lead Soil	43
4188988	SSPDSG024	Lead Soil	41
4188989	SSPDSG025	Lead Soil	39
4188990	SSPDSG026	Lead Soil	48
4188991	SSPDSG027	Lead Soil	45
4188992	SSPDSG028	Lead Soil	37
4188993	SSPDSG029	Lead Soil	45
4188994	SSPDSG030	Lead Soil	42

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

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Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/14/2011
Report Number: 0111003668
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4188995	SSPDSG031	Lead Soil	39
4188996	SSPDSG032	Lead Soil	44
4188997	SSPDSG033	Lead Soil	57
4188998	SSPDSG034	Lead Soil	45
4188999	SSPDSG035	Lead Soil	55
4189000	SSPDSG036	Lead Soil	84
4189001	SSPDSG037	Lead Soil	82
4189002	SSPDSG038	Lead Soil	70
4189003	SSPDSG039	Lead Soil	57
4189004	SSPDSG040	Lead Soil	54

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

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Analyst: C. Shaffer

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Report Date: 1/14/2011
Report Number: 0111003668
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189005	SSPDSG041	Lead Soil	370
4189006	SSPDSG042	Lead Soil	430
4189007	SSPDSG043	Lead Soil	400
4189008	SSPDSG044	Lead Soil	460
4189009	SSPDSG045	Lead Soil	490
4189010	SSPDSG046	Lead Soil	330
4189011	SSPDSG047	Lead Soil	350
4189012	SSPDSG048	Lead Soil	510
4189013	SSPDSG049	Lead Soil	420
4189014	SSPDSG050	Lead Soil	380

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

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Date Received: 1/13/2011

Date Analyzed: 1/14/2011

Analyst: C. Shaffer

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CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/14/2011
Report Number: 0111003668
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189015	SSPDSG051	Lead Soil	480
4189016	SSPDSG052	Lead Soil	500
4189017	SSPDSG053	Lead Soil	420
4189018	SSPDSG054	Lead Soil	420
4189019	SSPDSG055	Lead Soil	550
4189020	SSPDSG056	Lead Soil	520

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

Analysis Method: EPA SW846-(7420/7421) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges And Sediments By AAS"

Comments: IATL assumes that all of the sampling methods and data upon which these results are based, have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40 CFR Part 136 Appendix B. Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=2.9 mg/kg RL=10 mg/kg (based upon 1000 mg sampled). Mg/kg=ppm Sample results are not corrected for contamination by field or analystical blanks.

Date Received: 1/13/2011

Date Analyzed: 1/14/2011

Analyst: C. Shaffer

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ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway
Suite B
Mt. Laurel, NJ 08054
Toll Free: 877 428-4285
info@iatl.com
www.iatl.com

Chain of Custody – Sample Log

Environmental Lead

Client: Riverfront Environmental, Inc.

Facility:

Instructions:

Analysis:
____ Atomic Absorption Spectroscopy (Flame)
____ Atomic Absorption Spectroscopy (Furnace)
____ ASTM (Paint, Wipe)

Method:
____ NIOSH 7082 (Air)
x EPA SW846 (Soil)

Project No.: 5832-03

Client Contact: Craig Lanouette
Telephone: 314-436-9492
Fax: 314-436-9733
Cell:

Lab Contact: Shirley Clark / Ray Sankey

Lab Director: Frank Ehrenfeld

Turn Around: ☑ 5 Day, ☐ 3 Day, ☐ 2 Day, ☐ Next Day, ☐ Same Day

56 SAMPLES

Samples Relinquished:	Date: 1-12-11	Time:
Samples Received:	Date:	Time:
Sample Prep/Analysis: 01/14/11	Date:	Time:
Prelim. Results Released:	Date:	Time:

RECEIVED JAN 13 2011 IATL - By

Summary Data

Client Sample #	IATL #	Location / Description	Flow Rate	Start / End	Sampling time (min)	Area (ft²) Volume (L)	AAS Results ( )
SSPDSG001							
THRU							
SSPDSG056							

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)
** = Insufficient Sample Provided to Analyze (<50mg)
***= Matrix / Substrate Interference Possible
FB = Method Requires the submittal of blank(s).
ML = Multi Layered Sample. May result in inconsistent results.

AMZ© 1/13/11

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IATL International Asbestos Testing Laboratories

9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

PLM Sample Log

Client: Riverfront Environmental

Project #: 5832-03

Date Received:

Project Name:

Turn Around Time: 5 Day

Client Contact: RS

Client Sample #	IATL #	Comments	Client Sample #	IATL #	Comments
SSPDSG 001	4188965		027	4188991	
002	4188966		028	4188992	
003	4188967		029	4188993	
004	4188968		030	4188994	
005	4188969		031	4188995	
006	4188970		032	4188996	
007	4188971		033	4188997	
008	4188972		034	4188998	
009	4188973		035	4188999	
010	4188974		036	4189000	
011	4188975		037	4189001	
012	4188976		038	4189002	
013	4188977		039	4189003	
014	4188978		040	4189004	
015	4188979		041	4189005	
016	4188980		042	4189006	
017	4188981		043	4189007	
018	4188982		044	4189008	
019	4188983		045	4189009	
020	4188984		046	4189010	
021	4188985		047	4189011	
022	4188986		048	4189012	
023	4188987		049	4189013	
024	4188988		050	4189014	
025	4188989		051	4189015	
026	4188990		052	4189016	

Delivered By: Date:

Received By: Date:

Analyzed By: Date:

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

PLM Sample Log

Client: Riverfront Environmental

Project #: 5832-03

Date Received:

Project Name:

Turn Around Time: 5 Day

Client Contact: RS

Client Sample #	IATL #	Comments	Client Sample #	IATL #	Comments
SSPDSG 053	4189017				
054	4189018				
055	4189019				
056	4189020				

Delivered By: Date:

Received By: Date:

Analyzed By: Date:

Chris Davis

From: Ray Sankey [raysankey@latl.com]
Sent: Thursday, January 13, 2011 11:44 AM
To: Login
Cc: 'Chris Davis'
Subject: FW: Lead Soil Samples

fyi

From: Lanouette, Craig [mailto:craig@riverfrontenvironmental.com]
Sent: Thursday, January 13, 2011 8:23 AM
To: Ray Sankey
Subject: RE: Lead Soil Samples

You will be receiving the following lead-soil samples today via Fedex:

SSBS: 69 samples

SSQH: 160 samples

SSPDRW: 34 samples

SSPDWalk: 3 samples

SSPDSG: 56 samples

Please provide individual reports for each sample set....

I marked 5-day turn as this was the longest turn. option on COC, but final report within 2 weeks will be fine...

I have one more set of samples sending today....good chance there will be another round of samples down the road

Craig Lanouette
President
Riverfront Environmental
1139 Olive Street, Suite 300
St. Louis, MO 63101
314.436.9492 (office)
314.374.3671 (cell)
314.436.9733 (fax)
www.riverfrontenvironmental.com

Logo

From: Ray Sankey [mailto:raysankey@iatl.com]
Sent: Wednesday, January 12, 2011 2:15 PM
To: Lanouette, Craig
Subject: RE: Lead Soil Samples

Thank you.

Ray

From: Lanouette, Craig [mailto:craig@riverfrontenvironmental.com]
Sent: Tuesday, January 11, 2011 7:13 PM
To: Ray Sankey
Subject: RE: Lead Soil Samples

Been diverted...will try to get the samples sorted and sent out tomorrow...

Craig Lanouette
President
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314.436.9733 (fax)
www.riverfrontenvironmental.com

RIVERFRONT
ENVIRONMENTAL

From: Ray Sankey [mailto:raysankey@iatl.com]
Sent: Tuesday, January 11, 2011 5:38 PM
To: Lanouette, Craig
Subject: RE: Lead Soil Samples

Hi Craig,

Still no sign of the samples as of yet.

Ray

From: Lanouette, Craig [mailto:craig@riverfrontenvironmental.com]
Sent: Thursday, January 06, 2011 9:48 PM
To: Ray Sankey
Subject: Lead Soil Samples

Trying to finish up the sampling tomorrow...your lab will receive samples either Monday or Tuesday

Craig Lanouette
President
Riverfront Environmental
1139 Olive Street, Suite 300
St. Louis, MO 63101
314.436.9492 (office)

iATL
INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll free: 877 428-4285
Local: 856-231-9449
Fax: 856-231-9818
info@iatl.com

PRELIMINARY RESULTS

Deliver Promptly To: _____

Company: _____

Fax/Email: _____

From: _____

Date: _____

Number of Pages Including This Page: _____

iATL provides our clients with several means of receiving their analytical results (preliminary results FAXed and/or emailed). We also recommend that you apply for a Client Portal account so that you can track your samples and access your secure data. Details can be attained at www.iatl.com.

Message: LEAD RESULTS

For bulk asbestos analysis, if you require that certain samples move forward to gravimetric reduction TEM analysis (ex. TEM-NOB by ELAP 198.4 or equivalent), please look over your PLM bulk asbestos results, circle or highlight any samples/layers that require additional analysis, and submit to us as soon-as possible. FAX 856-231-9818, info@iatl.com.

For airborne fiber counts by PCM 7400, if you require that certain samples move forward to airborne TEM analysis (ex. TEM-NIOSH 7402 or equivalent), please look over your PCM results, circle or highlight any samples that require additional analysis, and submit to us as soon as possible. FAX 856-231-9818, info@iatl.com.

Preliminary results are issued by IATL to expedite client decision making.
There are several factors that limit these results: sampling methods, sampling data, packaging and handling.

These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COA is considered the official results.

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IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/20/2011
Report Number: 0111004891
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189073	SSQH053	Lead Soil	430
4189074	SSQH054	Lead Soil	260
4189075	SSQH055	Lead Soil	340
4189076	SSQH056	Lead Soil	240
4189077	SSQH057	Lead Soil	280
4189078	SSQH058	Lead Soil	310
4189079	SSQH059	Lead Soil	5400
4189080	SSQH060	Lead Soil	360
4189081	SSQH061	Lead Soil	290
4189082	SSQH062	Lead Soil	440

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

Analysis Method: EPA SW846-(7420/7421) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges And Sediments By AAS"

Comments: IATL assumes that all of the sampling methods and data upon which these results are based, have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40 CFR Part 136 Appendix B. Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=2.9 mg/kg RL=10 mg/kg (based upon 1000 mg sampled). Mg/kg=ppm Sample results are not corrected for contamination by field or analytical blanks.

Date Received: 1/13/2011
Date Analyzed: 1/20/2011
Analyst: C. Shaffer

Approved By: _____
Frank E. Ehrenfeld, III
Laboratory Director

IATL International Asbestos Testing Laboratories

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Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/20/2011
Report Number: 0111004891
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189083	SSQH063	Lead Soil	540
4189084	SSQH064	Lead Soil	4000
4189085	SSQH065	Lead Soil	460
4189086	SSQH066	Lead Soil	590
4189087	SSQH067	Lead Soil	580
4189088	SSQH068	Lead Soil	180
4189089	SSQH069	Lead Soil	500
4189090	SSQH070	Lead Soil	390
4189091	SSQH071	Lead Soil	330
4189092	SSQH072	Lead Soil	360

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

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Date Received: 1/13/2011

Date Analyzed: 1/20/2011

Analyst: C. Shaffer

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CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/20/2011
Report Number: 0111004891
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189093	SSQH073	Lead Soil	560
4189094	SSQH074	Lead Soil	3400
4189095	SSQH075	Lead Soil	93
4189096	SSQH076	Lead Soil	1300
4189097	SSQH077	Lead Soil	1500
4189098	SSQH078	Lead Soil	610
4189099	SSQH079	Lead Soil	380
4189100	SSQH080	Lead Soil	390
4189101	SSQH081	Lead Soil	110
4189102	SSQH082	Lead Soil	400

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St. Louis MO 63101

Report Date: 1/20/2011
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Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189103	SSQH083	Lead Soil	340
4189104	SSQH084	Lead Soil	570
4189105	SSQH085	Lead Soil	530
4189106	SSQH086	Lead Soil	550
4189107	SSQH087	Lead Soil	440
4189108	SSQH088	Lead Soil	190
4189109	SSQH089	Lead Soil	560
4189110	SSQH090	Lead Soil	260
4189111	SSQH091	Lead Soil	320
4189112	SSQH092	Lead Soil	540

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Report Date: 1/20/2011
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Project:
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LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189113	SSQH093	Lead Soil	330
4189114	SSQH094	Lead Soil	250
4189115	SSQH095	Lead Soil	420
4189116	SSQH096	Lead Soil	360
4189117	SSQH097	Lead Soil	410
4189118	SSQH098	Lead Soil	330
4189119	SSQH099	Lead Soil	1300
4189120	SSQH100	Lead Soil	450
4189121	SSQH101	Lead Soil	500
4189122	SSQH102	Lead Soil	340

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Date Received: 1/13/2011

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St. Louis MO 63101

Report Date: 1/20/2011
Report Number: 0111004891
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189123	SSQH103	Lead Soil	170
4189124	SSQH104	Lead Soil	250
4189125	SSQH105	Lead Soil	10000
4189126	SSQH106	Lead Soil	960
4189127	SSQH107	Lead Soil	2100
4189128	SSQH108	Lead Soil	230
4189129	SSQH109	Lead Soil	340
4189130	SSQH110	Lead Soil	940
4189131	SSQH111	Lead Soil	520
4189132	SSQH112	Lead Soil	520

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St. Louis MO 63101

Report Date: 1/20/2011
Report Number: 0111004891
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189133	SSQH113	Lead Soil	540
4189134	SSQH114	Lead Soil	560
4189135	SSQH115	Lead Soil	680
4189136	SSQH116	Lead Soil	540
4189137	SSQH117	Lead Soil	120
4189138	SSQH118	Lead Soil	140
4189139	SSQH119	Lead Soil	58
4189140	SSQH120	Lead Soil	870
4189141	SSQH121	Lead Soil	190
4189142	SSQH122	Lead Soil	280

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Date Received: 1/13/2011

Date Analyzed: 1/20/2011

Analyst: C. Shaffer

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CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/20/2011
Report Number: 0111004891
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189143	SSQH123	Lead Soil	860
4189144	SSQH124	Lead Soil	310
4189145	SSQH125	Lead Soil	260
4189146	SSQH126	Lead Soil	260
4189147	SSQH127	Lead Soil	690
4189148	SSQH128	Lead Soil	1000
4189149	SSQH129	Lead Soil	430
4189150	SSQH130	Lead Soil	240
4189151	SSQH131	Lead Soil	330
4189152	SSQH132	Lead Soil	240

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

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Date Received: 1/13/2011

Date Analyzed: 1/20/2011

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IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/20/2011
Report Number: 0111004891
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189153	SSQH133	Lead Soil	610
4189154	SSQH134	Lead Soil	310
4189155	SSQH135	Lead Soil	180
4189156	SSQH136	Lead Soil	980
4189157	SSQH137	Lead Soil	410
4189158	SSQH138	Lead Soil	370
4189159	SSQH139	Lead Soil	300
4189160	SSQH140	Lead Soil	360
4189161	SSQH141	Lead Soil	340
4189162	SSQH142	Lead Soil	1000

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

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Date Received: 1/13/2011

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1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/20/2011
Report Number: 0111004891
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189163	SSQH143	Lead Soil	560
4189164	SSQH144	Lead Soil	540
4189165	SSQH145	Lead Soil	400
4189166	SSQH146	Lead Soil	120
4189167	SSQH147	Lead Soil	200
4189168	SSQH148	Lead Soil	3000
4189169	SSQH149	Lead Soil	390
4189170	SSQH150	Lead Soil	2400
4189171	SSQH151	Lead Soil	350
4189172	SSQH152	Lead Soil	250

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

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Date Received: 1/13/2011
Date Analyzed: 1/20/2011
Analyst: C. Shaffer

IATL International Asbestos Testing Laboratories

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CERTIFICATE OF ANALYSIS

Client: Riverfront Environmental Inc
1139 Olive St., Ste. 300
St. Louis MO 63101

Report Date: 1/20/2011
Report Number: 0111004891
Project:
Project No.: 5832-03

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
4189173	SSQH153	Lead Soil	290
4189174	SSQH154	Lead Soil	550
4189175	SSQH155	Lead Soil	120
4189176	SSQH156	Lead Soil	330
4189177	SSQH157	Lead Soil	580
4189178	SSQH158	Lead Soil	280
4189179	SSQH159	Lead Soil	340
4189180	SSQH160	Lead Soil	550

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

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Date Received: 1/13/2011

Date Analyzed: 1/20/2011

Analyst: C. Shaffer

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway
Suite B
Mt. Laurel, NJ 08054
Toll Free: 877 428-4285
info@iatl.com
www.iatl.com

Chain of Custody – Sample Log

Environmental Lead

1/19/11

Client: Riverfront Environmental, Inc.

Facility:

Instructions:

Analysis:
___ Atomic Absorption Spectroscopy (Flame)
___ Atomic Absorption Spectroscopy (Furnace)

Method:
___ ASTM (Paint, Wipe)
___ NIOSH 7082 (Air)
X EPA SW846 (Soil)

Project No.: 5832-03

Client Contact: Craig Lanouette
Telephone: 314-436-9492
Fax: 314-436-9733
Cell:

Lab Contact: Shirley Clark / Ray Sankey

Lab Director: Frank Ehrenfeld

Turn Around: ☑ 5 Day, ☐ 3 Day, ☐ 2 Day, ☐ Next Day, ☐ Same Day

160 Samples
3 Boxes

Samples Relinquished:	Date: 1-12-11	Time:
Samples Received:	Date:	Time:
Sample Prep/Analysis: 1/19/11	Date:	Time:
Prelim. Results Released:	Date:	Time:

RECEIVED
JAN 13 2011
IATL By

Summary Data

Client Sample #	IATL #	Location / Description	Flow Rate	Start / End	Sampling time (min)	Area (ft²) Volume (L)	AAS Results ( )
SSQH001							
THRU							
SSQH160							

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)
** = Insufficient Sample Provided to Analyze (<50mg)
*** = Matrix / Substrate Interference Possible
FB = Method Requires the submittal of blank(s).
ML = Multi Layered Sample. May result in inconsistent results.

BMC 1/13/11

These **preliminary results** are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

PLM Sample Log

Client: Riverfront Environmental

Project #: 5832-03

Date Received:

Project Name:

Turn Around Time: 5 Day

Client Contact: RS

Client Sample #	IATL #	Comments	Client Sample #	IATL #	Comments
SSQH 053	4189073		079	4189099	
054	4189074		080	4189100	
055	4189075		081	4189101	
056	4189076		082	4189102	
057	4189077		083	4189103	
058	4189078		084	4189104	
059	4189079		085	4189105	
060	4189080		086	4189106	
061	4189081		087	4189107	
062	4189082		088	4189108	
063	4189083		089	4189109	
064	4189084		090	4189110	
065	4189085		091	4189111	
066	4189086		092	4189112	
067	4189087		093	4189113	
068	4189088		094	4189114	
069	4189089		095	4189115	
070	4189090		096	4189116	
071	4189091		097	4189117	
072	4189092		098	4189118	
073	4189093		099	4189119	
074	4189094		100	4189120	
075	4189095		101	4189121	
076	4189096		102	4189122	
077	4189097		103	4189123	
078	4189098		104	4189124	

Delivered By: Date:

Received By: Date:

Analyzed By: 01/20/11 Date:

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

PLM Sample Log

Client: Riverfront Environmental

Project #: 5832-03

Date Received:

Project Name:

Turn Around Time: 5 Day

Client Contact: RS

Client Sample #	IATL #	Comments	Client Sample #	IATL #	Comments
SSQH 105	4189125		131	4189151	
106	4189126		132	4189152	
107	4189127		133	4189153	
108	4189128		134	4189154	
109	4189129		135	4189155	
110	4189130		136	4189156	
111	4189131		137	4189157	
112	4189132		138	4189158	
113	4189133		139	4189159	
114	4189134		140	4189160	
115	4189135		141	4189161	
116	4189136		142	4189162	
117	4189137		143	4189163	
118	4189138		144	4189164	
119	4189139		145	4189165	
120	4189140		146	4189166	
121	4189141		147	4189167	
122	4189142		148	4189168	
123	4189143		149	4189169	
124	4189144		150	4189170	
125	4189145		151	4189171	
126	4189146		152	4189172	
127	4189147		153	4189173	
128	4189148		154	4189174	
129	4189149		155	4189175	
130	4189150		156	4189176	

Delivered By: Date:

Received By: Date:

Analyzed By: Date:

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

PLM Sample Log

Client: Riverfront Environmental

Project #: 5832-03

Date Received:

Project Name:

Turn Around Time: 5 Day

Client Contact: RS

Client Sample #	IATL #	Comments	Client Sample #	IATL #	Comments
SSQH 157	4189177				
158	4189178				
159	4189179				
160	4189180				

Delivered By: Date:

Received By: Date:

Analyzed By: Date:

iATL
INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll free: 877 428-4285
Local: 856-231-9449
Fax: 856-231-9818
info@iatl.com

PRELIMINARY RESULTS

Deliver Promptly To: _____

Company: _____

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From: _____

Date: _____

Number of Pages Including This Page: _____

Message: LEAD RESULTS

iATL provides our clients with several means of receiving their analytical results (preliminary results FAXed and/or emailed). We also recommend that you apply for a Client Portal account so that you can track your samples and access your secure data. Details can be attained at www.iatl.com.

For bulk asbestos analysis, if you require that certain samples move forward to gravimetric reduction TEM analysis (ex. TEM-NOB by ELAP 198.4 or equivalent), please look over your PLM bulk asbestos results, circle or highlight any samples/layers that require additional analysis, and submit to us as soon-as possible. FAX 856-231-9818, info@iatl.com.

For airborne fiber counts by PCM 7400, if you require that certain samples move forward to airborne TEM analysis (ex. TEM-NIOSH 7402 or equivalent), please look over your PCM results, circle or highlight any samples that require additional analysis, and submit to us as soon as possible. FAX 856-231-9818, info@iatl.com.

Preliminary results are issued by IATL to expedite client decision making.
There are several factors that limit these results: sampling methods, sampling data, packaging and handling.

These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COA is considered the official results.

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RIVERFRONT ENVIRONMENTAL
1139 Olive Street, Suite 300
St. Louis, Missouri 63101
Ph (314) 436-9492 – Fx (314) 436-9733

LETTER OF TRANSMITTAL

Date:	Thursday, February 10, 2011	**From:**	Craig Cox; Craig Lanouette
		Project No.:	

To:

Name:	Jack Hambene
Title:	
Company:	McCormack Baron Salazar
Address:	

# Copies:	**Dated:**	**Description:**

Transmitted:

MAIL	COURIER	DELIVERED
AIRBORNE	PICKED UP	OTHER

Message:

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SIGNED _____