TASK 210

SUBSURFACE SITE INVESTIGATION
HOPE STREET IMPROVEMENTS PROJECT
STAMFORD, CONNECTICUT

ConnDOT Local Roads Project Number: 135-297

Submitted to:

City of Stamford

Stamford, Connecticut

Submitted by:

TRC Environmental Corporation

21 Griffin Road North
Windsor, Connecticut 06095

February 2012

TASK 210
SUBSURFACE SITE INVESTIGATION
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Prepared for

City of Stamford
Engineering Department
Stamford, Connecticut

Prepared by

TRC
Windsor, Connecticut

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Windsor, Connecticut

TRC Project No. 155171.000000.000000
ConnDOT Local Roads Project No. 135-297

February 2011

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TABLE OF CONTENTS

SECTION PAGE

1.0 INTRODUCTION 1
1.1 Overview 1
1.2 Objectives 1
1.3 Background 2
1.4 Geologic/Physical Setting 2
2.0 TECHNICAL APPROACH 4
2.1 Preliminary Activities 5
2.2 Soil Sampling Program 5
2.3 Quality Assurance Samples 6
3.0 INVESTIGATION RESULTS 7
3.1 Soil Sample Results Summary 7
3.2 Quality Assurance / Quality Control Sample Analytical Results 9
4.0 CONCLUSIONS AND RECOMMENDATIONS 10
4.1 Soil 10
5.0 REFERENCES 11

FIGURES

1 Site Location Map
2 Environmental Sample Locations

TABLES

1 Sample Summary
2 Soil Sample Analytical Results

APPENDICES

A Soil Boring Logs
B Laboratory Analytical Reports

1.0 INTRODUCTION

1.1 Overview

Pursuant to TRC's Connecticut Department of Administrative Services (DAS) Contract for On-Call Environmental Services and at the request of the City of Stamford, TRC performed a Task 210 Subsurface Site Investigation for a portion of Hope Street located in Stamford, Connecticut (Figure 1). This investigation was conducted as part of the preliminary activities associated with the proposed roadway improvement project along Hope Street under ConnDOT's Local Roads Project No. 135-297. The study was conducted in the vicinity of several parcels that were identified as requiring additional investigation as part of a September 2011 Task 110 Corridor Land Use Evaluation prepared by the Maguire Group. Planned construction activities in the vicinity of these parcels include full-depth roadway construction, new sidewalks, new lighting, utility relocations and the installation of portions of the storm water drainage system.

1.2 Objectives

TRC reviewed preliminary construction plans for the project which indicates that the proposed improvements includes the construction of non-mountable granite stone curbing throughout the project to better define the travel way and protect pedestrians. The proposed vertical and horizontal alignment of Hope Street will closely follow the existing one. Full-depth pavement reconstruction and sidewalks on both sides are proposed. The project will also include a new storm drainage system, streetscape, roadway lighting and utility relocations. The primary objective of this subsurface investigation was to determine if there are any impacts to the shallow soils up to twelve feet below the ground surface. This depth corresponds to the approximate depth to which new traffic light poles will be installed or in which new manholes will be set. As the depth to groundwater was anticipated to be in excess of 12 feet, groundwater quality was not assessed as part of this investigation.

The analytical results of the soil sampling conducted as part of this Task 210 have been compared to the numerical criteria set forth in Connecticut's Remediation Standard Regulations (RSRs) (see Table 3). This evaluation of the data will aid in managing the materials encountered during the construction activities.

1.3 Background

The Maguire Group was contracted by ConnDOT to perform a Task 110 Corridor Land Use Evaluation to assess the potential for environmental risk associated with land use in the area of the proposed project. The Maguire Group completed the Task 110 in September 2011, the findings of which were contained in a report entitled, *Task 110 Corridor Land Use Evaluation: Hope Street Improvements: Stamford, Connecticut*. Of the 59 properties originally identified in the Task 110 report, 33 properties were identified as moderate or high risk.

Based on the high and moderate risk designations, a Task 210 investigation was recommended to investigate potential impacts along the corridor that may be associated with these parcels. At the request of City of Stamford, Engineering Department personnel, this Task 210 investigation was designed to assess soil and groundwater (if encountered) conditions in areas adjacent to high and moderate risk parcels where excavation will be required and excess soils will be generated during the installation of new lighting facilities and new components of the storm water drainage system. An effort was also made to distribute the proposed borings to provide reasonable horizontal coverage along the corridor length. As will be discussed in more detail in Section 2, two of the proposed borings could not be drilled due to the presence of underground utilities.

1.4 Geologic/Physical Setting

As indicated by the Surficial Materials Map of Connecticut (Stone et al, 1992), the site is located in an area underlain by sand overlying gravel. Soil borings that were advanced as part of this investigation yielded information on the characteristics of the soils in the project area that is generally consistent with the information presented on the geologic mapping.

As indicated by the Geological Map of Connecticut (Rogers, 1985), the site is located within the Western Uplands. The site is underlain by the Trap Falls formation, a gray to silvery, partly rusty-weathering, medium-grained schist.

The topography in the immediate project area slopes gently to the, southeast. Based on the local topography, groundwater is anticipated to flow to the southeast toward the Noroton River, a Class B surface water. TRC did not conduct a complete evaluation of the site hydrogeology as part of this investigation. According to Connecticut Department of Energy and

Environmental Protection (CTDEEP) groundwater classification maps reviewed by the Maguire Group, the groundwater classification for the portion of the project corridor east of Hope Street is "GB". A "GB" groundwater classification indicates that the groundwater may not be suitable for direct human consumption without the need for treatment due to waste discharges, spills or leaks of chemicals, or land use impacts. The groundwater classification for the project corridor west of Hope Street is "GA". A "GA" groundwater classification indicates that groundwater may be within the area of influence of public and private wells. The groundwater is assumed suitable for direct human consumption without the need for treatment. The entire project corridor is also located within a Level "A" Final Aquifer Protection Area. The properties within the project corridor are connected to the public water distribution system and municipal sewer system.

2.0 TECHNICAL APPROACH

This section of the report summarizes the soil sampling techniques employed during the Task 210 field investigation. Observations made in the field are also summarized in this section. Except as noted below, the Task 210 work performed at this site was completed in accordance with the Scope of Work outlined in the proposal submitted to the City of Stamford by TRC dated December 28, 2011.

The scope of work proposed the collection of thirty soil samples from a total of twenty-six soil borings for laboratory analysis. As discussed in Section 1.3, these samples were collected from adjacent to the moderate and high risk parcels in which full-depth roadway construction and the installation of portions of the storm water drainage system will take place. The soil boring locations were chosen to provide coverage along the length of the corridor and in the areas of the moderate and high risk properties. Borings located in areas where multiple new drainage structures are proposed to be installed across adjacent moderate and high risk properties were located in a manner that optimizes coverage in those areas. The maximum sample depth at each of these locations was identified by determining the depth (based on available project plans) to which the drainage structures are to be installed. As groundwater is not anticipated to be encountered at the maximum depth of construction, approximately twelve feet, no groundwater assessment was conducted under this study.

Figure 2 depicts a site plan which includes the soil boring locations. A total of twenty-eight samples were collected from twenty-four soil borings (one soil sample was collected from twenty of the borings and two samples were collected from four of the borings). As previously mentioned, two of the borings that were proposed in could not be completed due to the presence of a large number of underground utilities that were located throughout the project area. For further details regarding these utility conflicts, see Section 2.2 (under “Field Observations”). All soil samples were submitted to the laboratory for the analysis of the following: volatile organic compounds (VOCs) analysis by EPA Method 8260 (with Method 5035 field preservation), polynuclear aromatic hydrocarbons (PAHs) analysis by EPA Method 8270, polychlorinated biphenyls (PCBs) by EPA Method 8082, Connecticut (CT) extractable total petroleum hydrocarbons (ETPH) by Connecticut Method 01, and total and Synthetic Precipitation Leaching Procedure (SPLP) RCRA 8 metals by EPA Methods 6000/7000 series. A sample summary is of Manchester, Connecticut.

2.1 Preliminary Activities

Prior to beginning the investigation, TRC marked the boring locations with white paint in preparation for to the drilling contractor notifying "Call Before You Dig" (CBYD) for underground utility clearance. In addition to performing the CBYD markout, TRC subcontracted a private underground utility location service, Underground Survey's, Inc. of Danbury, Connecticut to clear each of the boring locations and provide suitable alternate locations when appropriate. Two soil boring locations (SB-4 and SB-17) could not be cleared due to the presence of a significant number of underground utilities. Preliminary activities also included obtaining a street opening permit from the City of Stamford Office of Operations. Permit number 110369 was issued to TRC on January 20, 2012.

2.2 Soil Sampling Program

Methodology

A total of eleven soil borings were advanced across the project area on January 24, 2012 by Logical Environmental Solutions, LLC. (LES) of Tolland, Connecticut, and a total of 13 soil borings were advanced by Haz-Probe, Inc. of Hampden Massachusetts on January 31, 2011 under direct supervision of TRC personnel. The borings advanced by LES were performed utilizing a truck-mounted GeoProbe™, while the borings completed by Haz-Probe were completed utilizing a skid-steer mounted GeoProbe™. Soil cores were collected continuously from the ground surface to a maximum depth of twelve feet below grade. Each four-foot soil core (collected in an acetate Macro-Core® liner) was logged with respect to soil characteristics (i.e., grain size, moisture content and any other physical characteristics) and indications of potential impacts (e.g., stains and odors). In addition, each core was field-screened using a photoionization detector (PID) prior to the collection of soil samples for analysis. The samples were selected on the basis of visual and olfactory evidence of impacts and screening results. In the absence of obvious evidence of impacts, the soil sample intervals were chosen at the discretion of the TRC field personnel. Soil boring logs are presented in Appendix A.

Soil samples submitted to the laboratory for VOC analysis were collected in accordance with EPA Method 5035. This method outlines the collection of soil samples, without homogenization and with minimal disturbance, into extraction solvents. The remaining soil was

then placed in the appropriate laboratory-supplied sample containers and then placed on ice, in a cooler, for delivery to the laboratory. The remaining soils and drill cuttings were returned to their respective boreholes.

The probe tip and Macro-Core® were decontaminated between uses to minimize the potential for cross-contamination. The decontamination was completed by washing with an Alconox and tap water mixture, followed by a tap water rinse and a deionized water rinse.

Field Observations

Based on the descriptions of the soil cores, the site is underlain primarily by fine to coarse grained sand, with lesser amounts of silt. Drilling refusal was encountered in two borings, SB-2 and SB-3, at approximately seven and nine feet below grade, respectively. Given the presence of numerous underground utilities around both of these borings, an attempt to offset these locations could not be made.

None of the soils encountered exhibited stains, odors or elevated PID readings. Groundwater was not encountered in any of the soil borings.

2.3 Quality Assurance Samples

Quality assurance/quality control (QA/QC) samples were collected as part of the Task 210 subsurface investigation.

In order to determine the effectiveness of the decontamination of the sampling equipment, one field rinsate blank sample was collected and analyzed for the same analyses as the other samples submitted on the days of the sampling. The field rinsate blank was collected by pouring laboratory-supplied water over or through the sampling equipment used in the collection of the samples. The rinsate water was then collected into the appropriate laboratory-supplied sample containers. The field blank sample was designated as “FB013112”.

A duplicate sample, two separate samples taken from the same source, was collected as part of this sampling program. The procedure for collecting the duplicate sample consisted of alternating the collection of the sample between the primary sample bottle and the duplicate sample bottle. The duplicate sample was analyzed for the same parameters as the original sample. One duplicate soil sample, identified as SB-27(1-2) was collected as part of this investigation. This was the duplicate of soil sample SB-6(4-6).

3.0 INVESTIGATION RESULTS

The following section provides a summary of the analytical results of the soil sampling conducted within the project corridor. Twenty-nine soil samples (including the duplicate) were collected from twenty-four borings; the soil analytical results are summarized in Table 3. A copy of the laboratory reports is provided in Appendix B.

Although the project corridor is not subject to the Transfer Act, the Voluntary Cleanup Program, nor the requirements of a Consent Order, the analytical results are being compared to the Connecticut RSRs to evaluate the presence of contaminants within the investigation area. This allows for management of contaminated media in a manner consistent with applicable regulations. The "default" criteria to which the reported concentrations for soils are compared are the Direct Exposure Criteria (DEC) and the Pollutant Mobility Criteria (PMC). The DEC are based on direct human exposure to soils and generally applies to polluted soil within fifteen feet of the land surface. The DEC has been classified as Residential (R) or Industrial/Commercial (I/C) standards. RDEC are applicable at all sites without recorded environmental land use restrictions (ELURs). The PMC are based on the potential for human exposure to soil pollution through impact to the groundwater and are dependent on the local groundwater classification. As the project corridor is located in an area in which groundwater is classified as "GA" and "GB", the reported contaminant concentrations from submitted soil samples were compared to the appropriate criteria, based on location of the respective soil boring.

3.1 Soil Sample Results Summary

VOCs

As indicated in Table 2, one VOC was reported to be present in site soils. Tetrachloroethene (PCE) was reported to be present in the soil sample collected from soil boring location SB-3P [SB-3P(1.5-2.5)] at a concentration of 12 parts per billion (ppb). The reported concentration of PCE does not exceed the applicable RSR criteria.

PAHs

As indicated in Table 2, there were eleven PAHs reported to be present in the soil samples collected from four soil boring locations along the study corridor. Specifically, the following PAHs were reported to be present in one or more samples collected from along the corridor, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene,

benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene and pyrene. PAH concentrations along the study corridor ranged from 300 ppb, (benzo(b)fluoranthene in the sample collected from boring location SB-15P [SB-15P(1-2)]) to 3,100 ppb (fluoranthene in the deeper sample collected from boring location SB-2P [SB-2P(8-9)]). Various combinations of the above PAH contaminants were reported to be present in the soil samples collected from four soil boring locations (SB-2P, SB-3P, SB-14P and SB-15P). Of these four locations, one (SB-2P) indicated concentrations of multiple PAHs in exceedance of one or more of the applicable criteria. Specifically, benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene exceeded one or both of the DEC and/or the PMC.

ETPH

As indicated in Table 2, ETPH was reported to be present at a concentration above the reporting limit in one of the samples [SB-24(1-2)] collected as part of this investigation. The reported concentration was below the RSR criteria.

PCBs

Total PCBs

As indicated in Table 2, there were no PCBs reported to be present in any of the soil samples collected from the soil borings drilled along the study corridor.

Metals

Total Metals

As indicated in Table 2, six of the RCRA-8 metals were reported to be present in various combinations in samples collected from all 24 boring locations along the study corridor. Specifically, arsenic, barium, cadmium, chromium, lead and mercury were reported to be present in soils along the corridor. Barium, chromium and lead were reported to be present in all collected samples while arsenic, cadmium and mercury were indicated in significantly fewer samples. As shown in Table 2, none of the reported concentrations exceeded the default RSR criteria.

Leachable Metals

As indicated in Table 2, leachable concentrations of five of the RCRA-8 metals were reported to be present in various combinations from 22 of the 24 boring locations along the study corridor. Specifically, detectable concentrations of leachable arsenic, barium, chromium, lead and mercury were indicated in these samples. Because the Hope Street corridor is the dividing line between GA and GB groundwater classification areas, samples were compared to the appropriate criteria based on the location of the respective soil boring.

GA Area

Of the eight soil borings located in the GA groundwater classified area, soil samples collected from five of the locations (SB-8, SB-10, SB-11, SB-23 and SB-24) reported leachable lead concentrations which exceeded the GA PMC. One of these locations (SB-23) also indicated a leachable mercury concentration which exceeded the GA PMC. An additional location (SB-1P) indicated a leachable arsenic concentration which exceeded the GA PMC.

GB Area

Of the 16 soil borings located in the GB groundwater classified area, soil samples collected from three of the locations (SB-15P, SB-20 and SB-21) reported leachable lead concentrations which exceeded the GB PMC.

3.2 Quality Assurance / Quality Control Sample Analytical Results

As indicated in Section 2.3, one field rinsate blank was submitted to the laboratory as part of this sampling program for quality assurance / quality control purposes. There were no reported concentrations of VOCs, PAHs, ETPH, PCBs or metals indicated in the field blank collected as part of this investigation.

A comparison of the analytical results from the soil sample SB-21(1-2) and its associated duplicate sample [SB-27(1-2)] indicated a general consistency between the samples.

4.0 CONCLUSIONS AND RECOMMENDATIONS

This section briefly summarizes the findings of the Task 210 subsurface site investigation activities conducted at the project area on January 24th and 31st 2012. Also included are recommendations based on these findings/conclusions.

4.1 Soil

1. The soil borings drilled across the project area were advanced to depths ranging from four to twelve feet below grade. In general, the soils across the project area can be characterized as fine to coarse grained sand, with lesser amounts of silt.

2. Due to the dense array of underground utilities located in some areas of the project corridor, two of the borings (SB-4P and SB-17P) that were proposed in the scope of work could not be completed. Based on the distribution of soil borings throughout the study corridor, it is TRC's opinion that the elimination of these two boring locations, does not impact the overall evaluation of the soil along the corridor.

3. One VOC (PCE) was detected in the soil sample SB-3P(1.5-2.5) at a concentration well below the applicable RSR criteria. A total of eleven PAHs were detected in soil samples SB-2P(8-9), SB-3P(1.5-2.5), SB-14P(0-2) and SB-15P(1-2). Elevated concentrations, with respect to the applicable RSRs, of three PAHs were indicted in one of these samples [SB-2P(8-9)]. There was one detectable concentration of ETPH and no detectable concentrations of PCBs indicated in any of the collected soil samples. Six of the RCRA-8 metals were reported to be present in various combinations in all samples collected along the study corridor. None of the reported concentrations exceeded the applicable RSR criteria. However, leachable metal concentrations were reported to be present in soil samples collected from 22 of the 24 soil boring locations. Of these locations, six of the locations had reported concentrations of leachable metals (five lead, one arsenic and one mercury) that exceeded the GA PMC. An additional three of the locations had reported concentrations of leachable lead which exceeded the GB PMC.

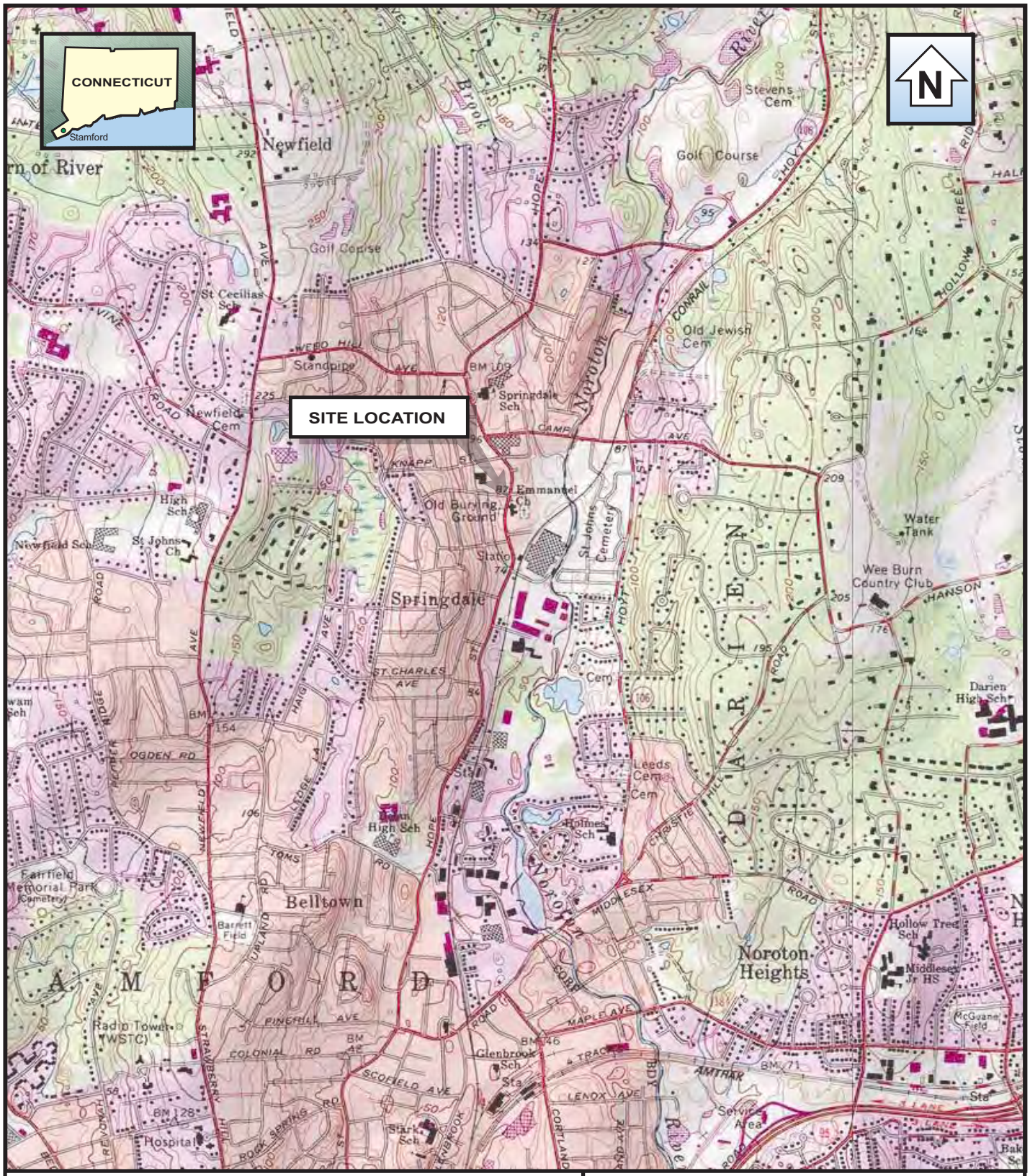
   Recommendation: Based on the results of this study and the presence of one VOC and elevated concentrations (with respect to RSR criteria) of PAHs in soil sample SB-2P(8-9) as well as the presence of elevated concentrations of leachable metals in nine locations along the corridor, TRC recommends that a Task 310: Plans, Specifications, and Estimates be prepared to address impacted soils in the project area.

5.0 REFERENCES

Rogers, J. 1985. Bedrock Geological Map of Connecticut. State Geological and Natural History of Connecticut. Scale 1:125,000.

Stone, J.R. 1992. Surficial Materials Map of Connecticut. U.S. Department of the Interior, U.S. Geological Survey. Scale1:125,000.

FIGURES



0 2000
SCALE FEET

0 1
SCALE MILE

1:24000

BASE CREATED WITH TOPO™ © 1996 WILDFLOWERS PRODUCTIONS,
www.topo.com 7.5' USGS TOPOGRAPHIC MAP

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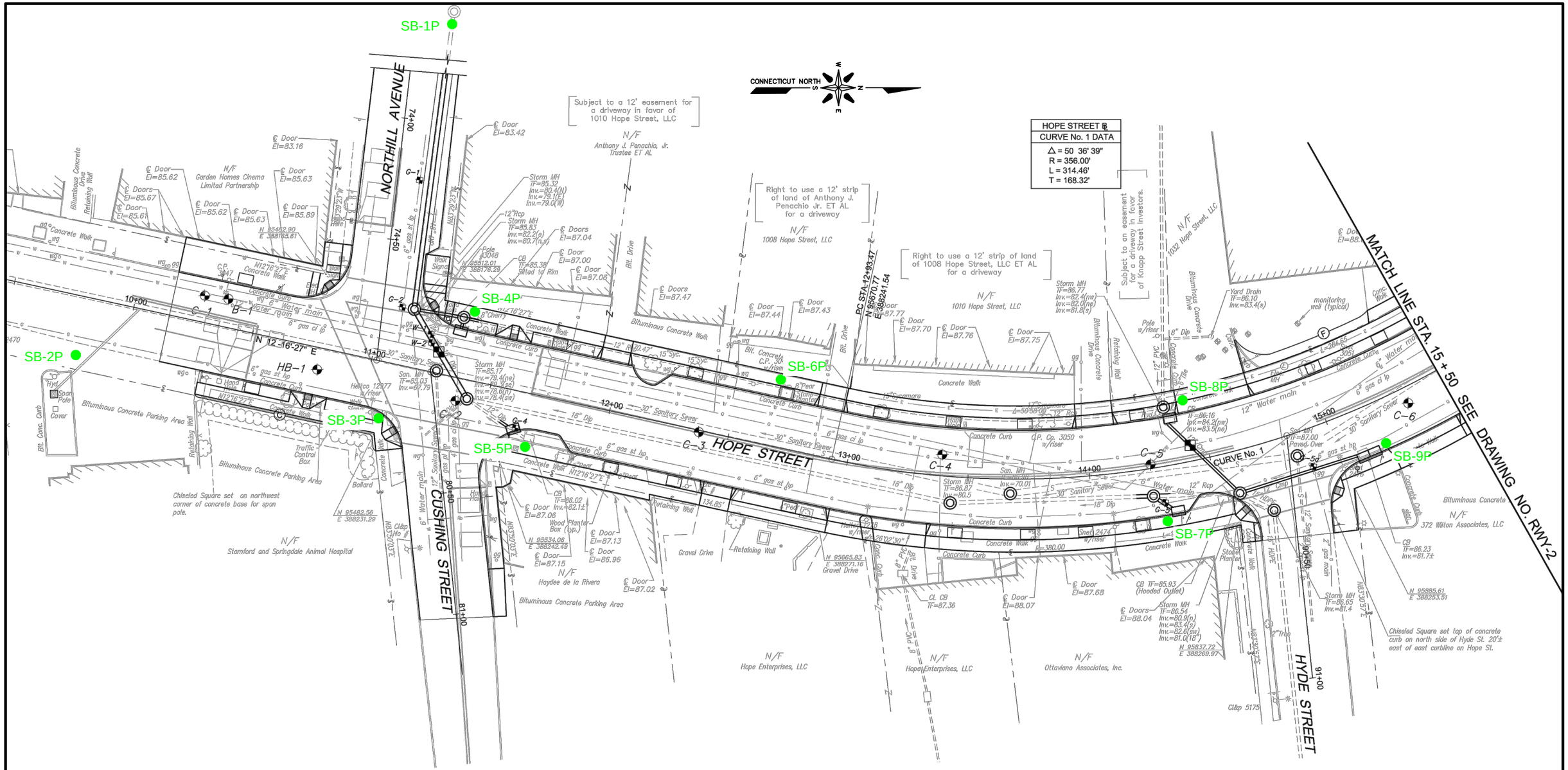
STAMFORD, CONNECTICUT

FIGURE 1
SITE LOCATION MAP

Date: 02/12 | **Project No.** 155171



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CITY OF STAMFORD
HOPE STREET IMPROVEMENTS

FIGURE 1 OF 7
HOPE STREET STA. 10+50 TO STA. 15+50
PROPOSED BORING LOCATION PLAN

Date: 01/12/12 | **Project No. 155171-000000-000000**

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Hope St Prop Boring.dwg Layout:RWY-1 January 13, 2012-11:06AM KHollenbeck

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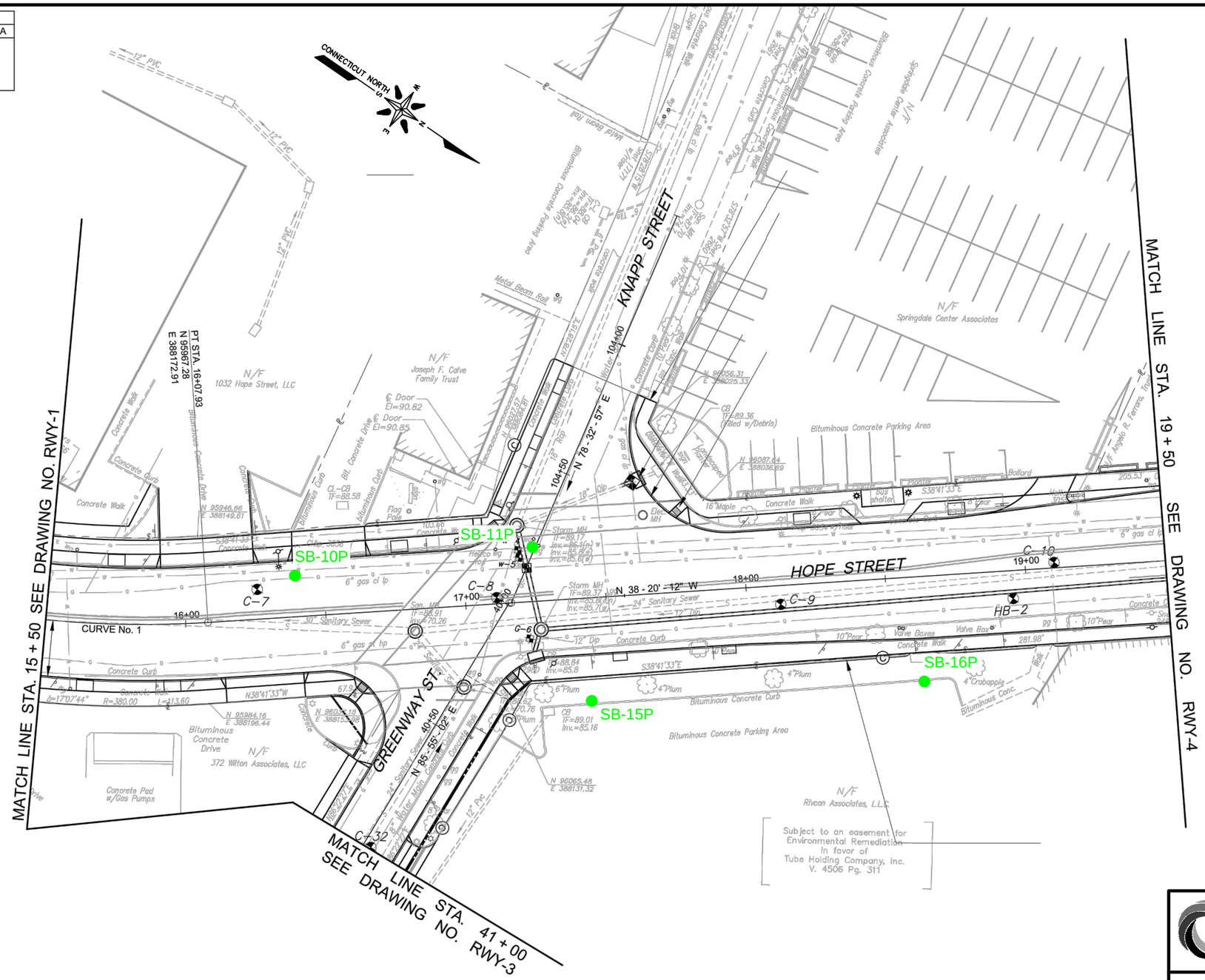
T = 168.32'



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0 40' 80'
GRAPHIC SCALE

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HOPE STREET IMPROVEMENTS

FIGURE 2 OF 7
HOPE STREET STA. 15+50 TO STA. 19+50
PROPOSED BORING LOCATION PLAN

Date: 01/12/12 | **Project No. 155171-000000-000000**

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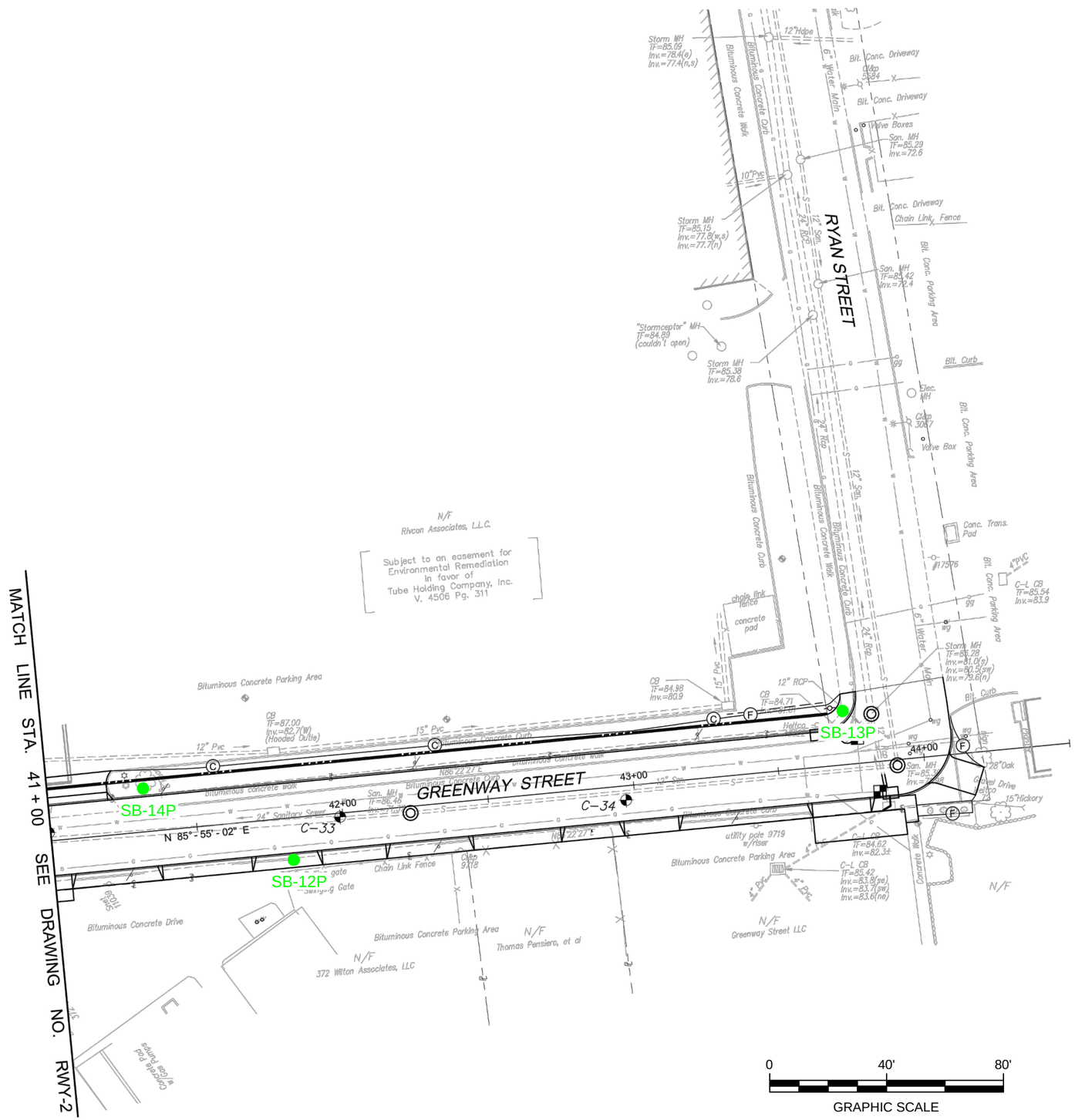

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HOPE STREET IMPROVEMENTS

FIGURE 3 OF 7
GREENWAY STREET STA. 41+00 TO STA. 44+19.8
PROPOSED BORING LOCATION PLAN

Date: 01/12/12	Project No. 155171-000000-000000

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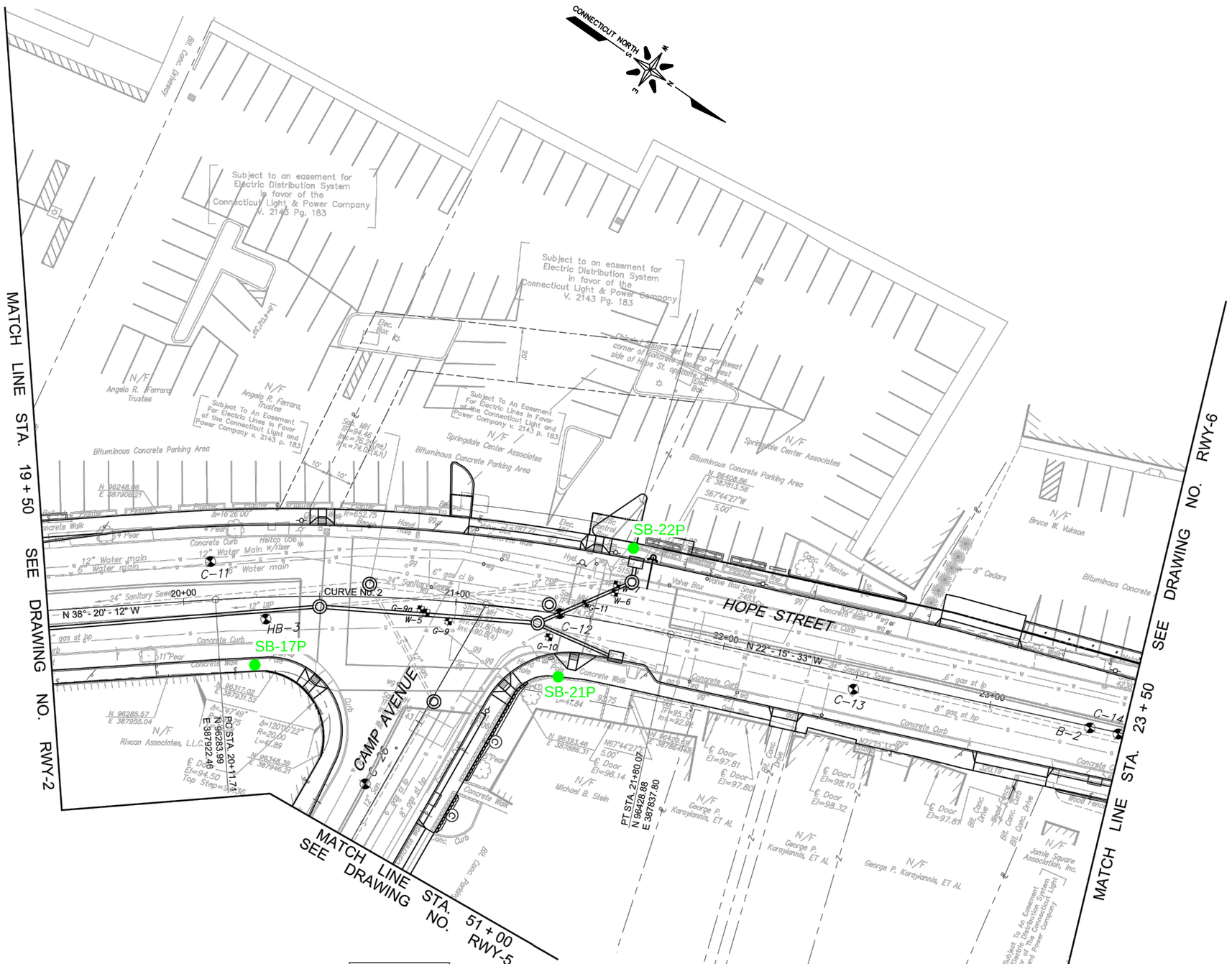

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0 40' 80'
GRAPHIC SCALE

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FIGURE 4 OF 7
HOPE STREET STA. 19+50 TO STA. 23+50
PROPOSED BORING LOCATION PLAN

Date: 01/12/12 | **Project No. 155171-000000-000000**

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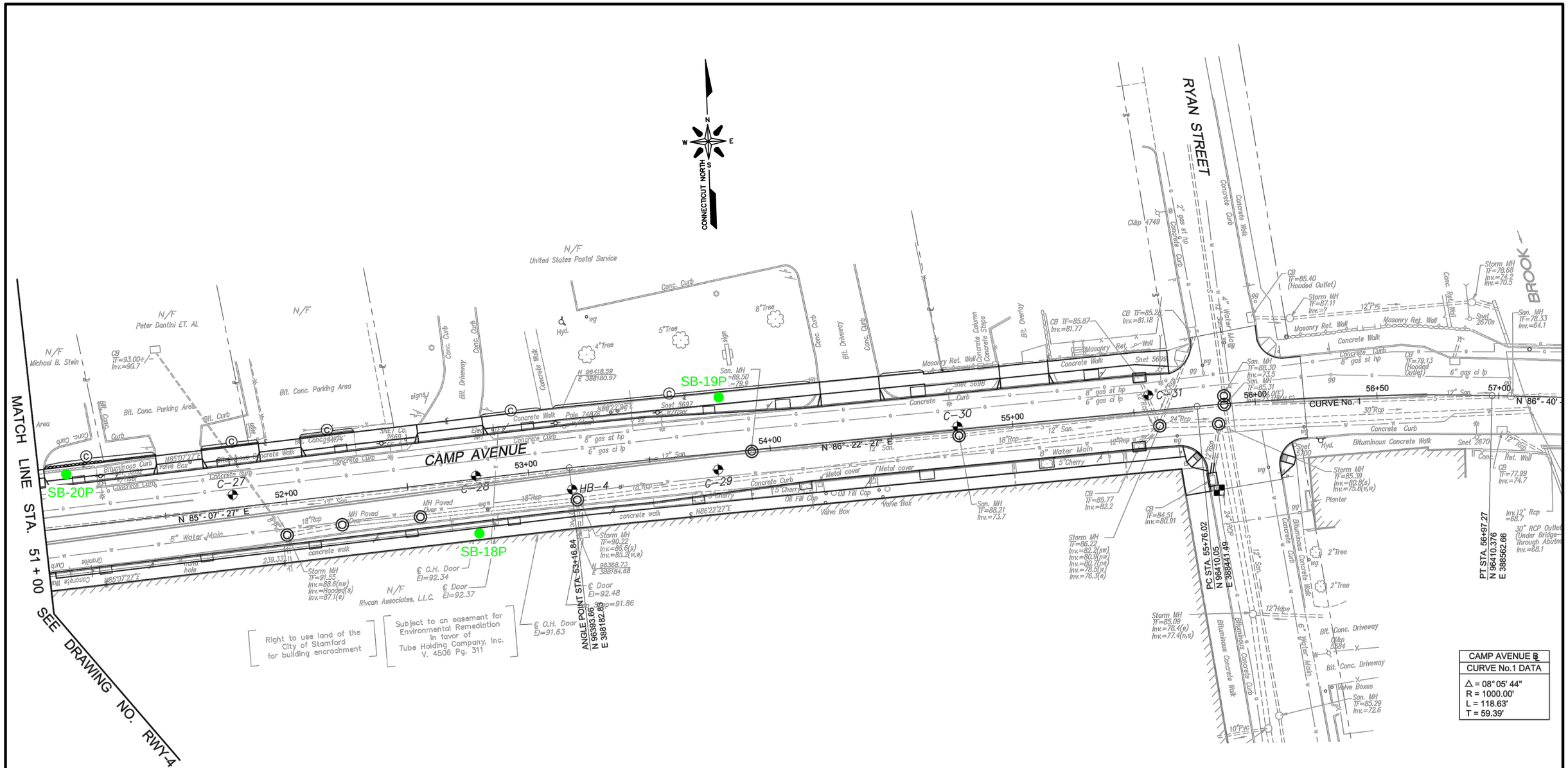

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0 40' 80'
GRAPHIC SCALE

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FIGURE 5 OF 7
CAMP AVENUE STA. 51+00 TO STA. 56+20
PROPOSED BORING LOCATION PLAN

Date: 01/12/12 | **Project No. 155171-000000-000000**

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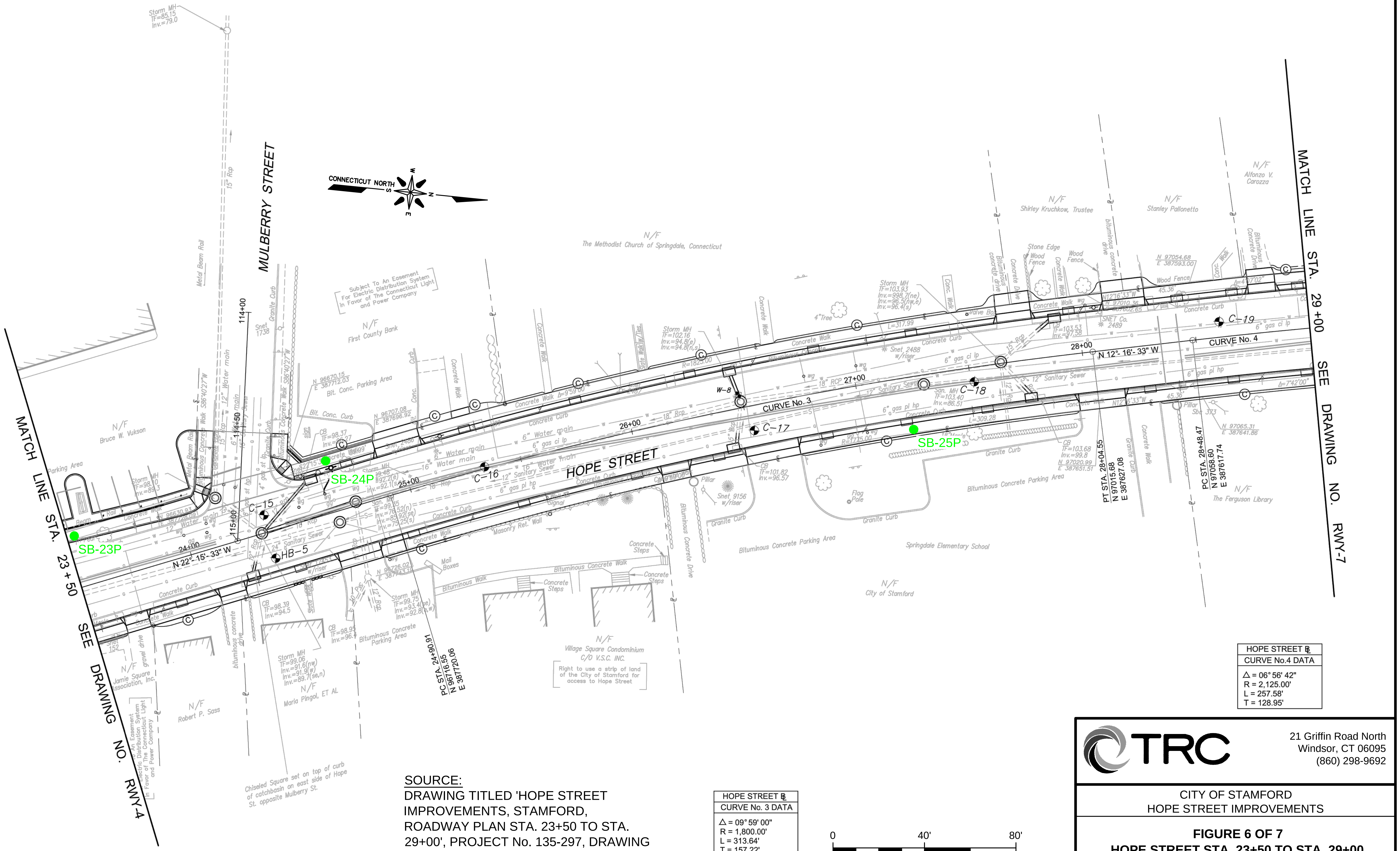

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T = 128.95'

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HOPE STREET ℄
CURVE No. 3 DATA
△ = 09° 59' 00"
R = 1,800.00'
L = 313.64'
T = 157.22'

0 40' 80'

GRAPHIC SCALE

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FIGURE 6 OF 7
HOPE STREET STA. 23+50 TO STA. 29+00
PROPOSED BORING LOCATION PLAN

Date: 01/12/12 | **Project No. 155171-000000-000000**

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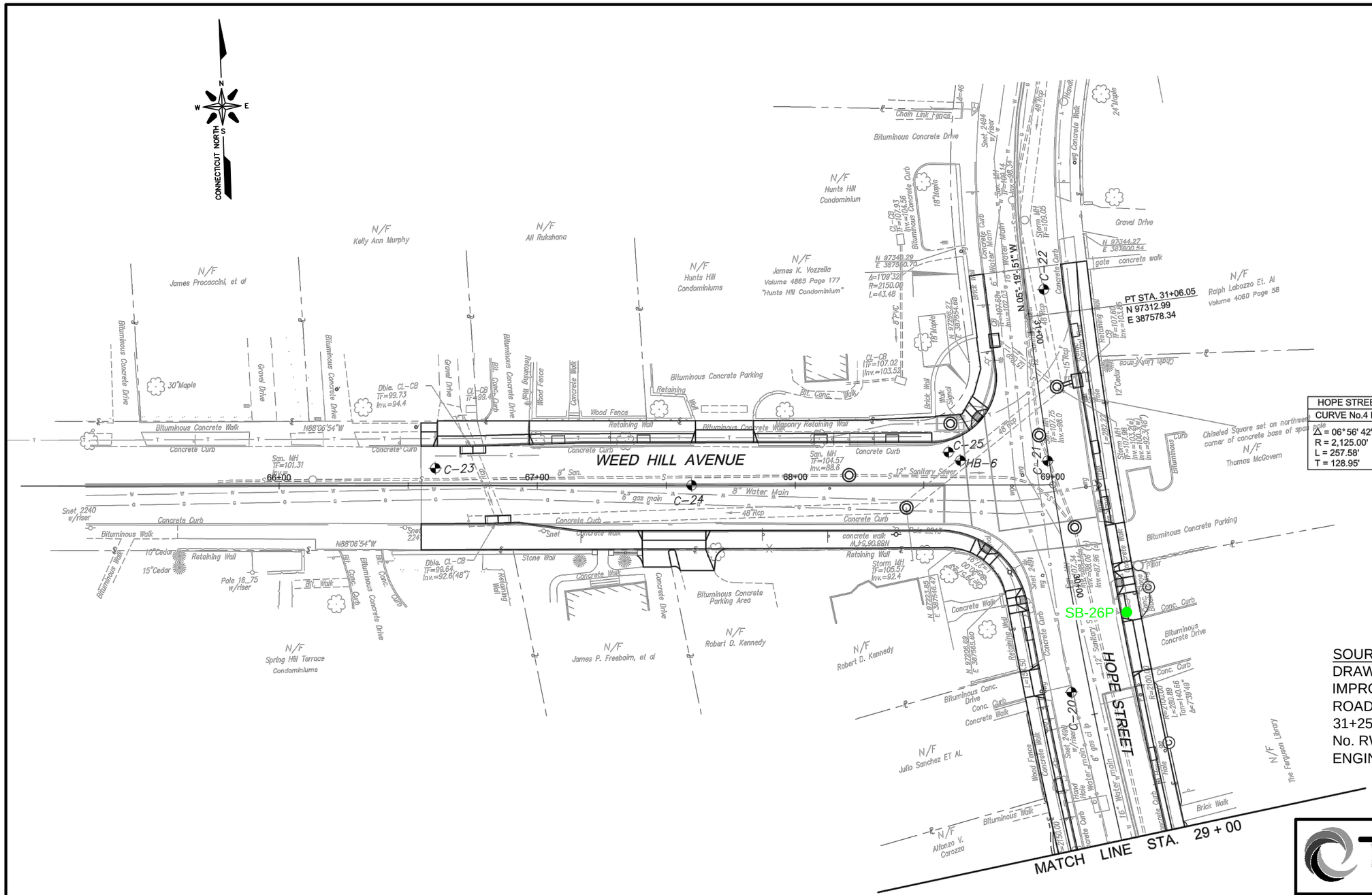

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FIGURE 7 OF 7
HOPE STREET STA. 29+00 TO STA. 31+25
PROPOSED BORING LOCATION PLAN

Date: 01/12/12 | **Project No. 155171-000000-000000**

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Hope St Prop Boring.dwg Layout:RWY-7 January 13, 2012-11:25AM KHollenbeck

TABLES

Table 1
Sample Summary
Roadway Improvements - Hope Street, Stamford, CT
ConnDOT Project No. 135-297
TRC Project No. 155171.000000.000000

Field Sample ID	Sample Matrix	Sample Depth (ftbg)	Date Sampled	VOCs	PAHs	ETPH	PCBs	RCRA 8 Metals (Total)	SPLP RCRA 8 Metals	Sample Location/Selection Rationale
SB-1P(4-6)	Soil	4-6	1/24/2012	x	x	x	x	x	x	Footprint of improvements
SB-2P(4-6)	Soil	4-6	1/24/2012	x	x	x	x	x	x	Footprint of improvements
SB-2P(8-9)	Soil	8-9	1/24/2012	x	x	x	x	x	x	Footprint of improvements
SB-3P(1.5-2.5)	Soil	1.5-2.5	1/24/2012	x	x	x	x	x	x	Footprint of improvements
SB-3P(4-6)	Soil	4-6	1/24/2012	x	x	x	x	x	x	Footprint of improvements
SB-5(1-2)	Soil	1-2	1/31/2012	x	x	x	x	x	x	Footprint of improvements
SB-6P(1.5-2.5)	Soil	1.5-2.5	1/24/2012	x	x	x	x	x	x	Footprint of improvements
SB-7P(1.5-2.5)	Soil	1.5-2.5	1/24/2012	x	x	x	x	x	x	Footprint of improvements
SB-8(1-2)	Soil	1-2	1/31/2012	x	x	x	x	x	x	Footprint of improvements
SB-9P(0-2)	Soil	0-2	1/24/2012	x	x	x	x	x	x	Footprint of improvements
SB-10(2-2.5)	Soil	2-2.5	1/31/2012	x	x	x	x	x	x	Footprint of improvements
SB-11(0-2)	Soil	0-2	1/31/2012	x	x	x	x	x	x	Footprint of improvements
SB-12P(0.5-1.5)	Soil	0.5-1.5	1/24/2012	x	x	x	x	x	x	Footprint of improvements
SB-13P(0.5-1.5)	Soil	0.5-1.5	1/24/2012	x	x	x	x	x	x	Footprint of improvements
SB-14P(0-2)	Soil	0-2	1/24/2012	x	x	x	x	x	x	Footprint of improvements
SB-15P(1-2)	Soil	1-2	1/24/2012	x	x	x	x	x	x	Footprint of improvements
SB-16P(1.5-2.5)	Soil	1.5-2.5	1/24/2012	x	x	x	x	x	x	Footprint of improvements
SB-18(1-2)	Soil	1-2	1/31/2012	x	x	x	x	x	x	Footprint of improvements
SB-19(2-3)	Soil	2-3	1/31/2012	x	x	x	x	x	x	Footprint of improvements
SB-20(1.5-2.5)	Soil	1.5-2.5	1/31/2012	x	x	x	x	x	x	Footprint of improvements
SB-21(1-2)	Soil	1-2	1/31/2012	x	x	x	x	x	x	Footprint of improvements
SB-21(10-12)	Soil	10-12	1/31/2012	x	x	x	x	x	x	Footprint of improvements
SB-22(1-2)	Soil	1-2	1/31/2012	x	x	x	x	x	x	Footprint of improvements
SB-23(2-3)	Soil	2-3	1/31/2012	x	x	x	x	x	x	Footprint of improvements
SB-24(1-2)	Soil	1-2	1/31/2012	x	x	x	x	x	x	Footprint of improvements
SB-25(1.5-2.5)	Soil	1.5-2.5	1/31/2012	x	x	x	x	x	x	Footprint of improvements
SB-26(0-2)	Soil	0-2	1/31/2012	x	x	x	x	x	x	Footprint of improvements
SB-26(10-12)	Soil	10-12	1/31/2012	x	x	x	x	x	x	Footprint of improvements
SB-27(1-2)	Soil	1-2	1/31/2012	x	x	x	x	x	x	Duplicate sample of SB-21(1-2)
FB013112	Water	--	1/31/2012	x	x	x	x	x		Field rinsate blank

Notes:
ftbg - Feet Below Grade
RCRA 8 Metals - Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver
SPLP - Synthetic Precipitate Leaching Procedure

Table 2
Soil Sample Analytical Results
Roadway Improvements - Hope Street, Stamford, CT
ConnDOT Project No. 135-297
TRC Project No. 155171.000000.000000

Boring No.:	**SB-1P(4-6)**	**SB-2P(4-6)**	**SB-2P(8-9)**	**SB-3P(1.5-2.5)**	**SB-3P(4-6)**	**SB-5(1-2)**	**SB-6P(1.5-2.5)**	**SB-7P(1.5-2.5)**	**SB-8(1-2)**	**SB-9P(0-2)**	**SB-10(2-3.5)**	**SB-11(0-2)**	**SB-12P(0.5-1.5)**	**SB-13P(0.5-1.5)**	**SB-14P(0-2)**	**CT RSRs**			
Sample Interval (ftbg):	4-6	4-6	8-9	1.5-2.5	4-6	1-2	1.5-2.5	1.5-2.5	1-2	0-2	2-3.5	0-2	0.5-1.5	0.5-1.5	0-2				
Sample Date:	1/24/2012	1/24/2012	1/24/2012	1/24/2012	1/24/2012	1/31/2012	1/24/2012	1/24/2012	1/31/2012	1/24/2012	1/31/2012	1/31/2012	1/24/2012	1/24/2012	1/24/2012				
Groundwater Classification/ Notes:	GA	GB	GB	GB	GB	GB	GA	GB	GA	GB	GA	GA	GB	GB	GB	RES DEC	I/C DEC	GA PMC	GB PMC
Volatile Organic Compounds - ug/kg																			
Method 8260	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Tetrachloroethene				12												12,000	110,000	100	1,000
Polynuclear Aromatic Hydrocarbons - ug/kg																			
Method 8270	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Anthracene			680													1,000,000	2,500,000	40,000	400,000
Benz(a)anthracene			**1,300**	540											480	1,000	7,800	1,000	1,000
Benzo(a)pyrene			**1,100**	440											550	1,000	1,000	1,000	1,000
Benzo(b)fluoranthene			**1,600**	560											930	1,000	7,800	1,000	1,000
Benzo(ghi)perylene			690												440	1,000,000	2,500,000	4,200	42,000
Benzo(k)fluoranthene			490													8,400	78,000	1,000	1,000
Chrysene			960	480											500	84,000	780,000	1,000	1,000
Fluoranthene			3,100	550											800	1,000,000	2,500,000	5,600	56,000
Indeno(1,2,3-cd)pyrene			610												370	1,000	7,800	1,000	1,000
Phenanthrene			2,300													1,000,000	2,500,000	4,000	40,000
Pyrene			2,600	680											650	1,000,000	2,500,000	4,000	40,000
Extractable Total Petroleum Hydrocarbons - mg/kg																			
CTDEP-Approved Method	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	2,500	500	2,500
Polychlorinated Biphenyls - ug/kg																			
Method 8082	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	10,000	--	--
Total RCRA 8 Metals - mg/kg																			
Methods 6010/7471																			
Arsenic				2.71			5.26		0.78						1.13	10	10	--	--
Barium	23.7	35.2	41.8	69.8	43	47.8	86.5	98.8	68.2	42.5	93.8	26.8	41.4	38.2	121	4,700	140,000	--	--
Cadmium				1.54	0.47	1.03	0.52	0.46	0.52				0.5	0.92	0.58	34	1,000	--	--
Chromium	10.6	16.5	14.1	23.8	13.4	77.6	21.8	20.3	21.4	15	27	12.2	14.7	131	33.5	NE	NE	--	--
Lead	3.19	3.81	9.96	71.4	6.08	5.44	173	8.74	27.6	4.6	4.04	5.07	25.4	6.25	22.7	400	1,000	--	--
Mercury							0.16									20	610	--	--
SPLP RCRA 8 Metals - mg/l																			
Methods 6010/7471																			
SPLP Arsenic	0.022			0.006					0.005						0.004	--	--	0.01	0.1
SPLP Barium		0.027	0.062	0.057	0.054	0.066	0.07	0.014	0.535	0.014	0.148	0.062	0.037	0.023	0.057	--	--	1	10
SPLP Chromium			0.012	0.014		0.019			0.072		0.023	0.012				--	--	0.05	0.5
SPLP Lead			0.049	0.129	0.042	0.016			0.335		0.018	0.017			0.017	--	--	0.015	0.15
SPLP Mercury																--	--	0.002	0.02

NOTES:
ftbg - feet below grade
ND - Not Detected
NA - Not Analyzed

NE - Not Established
BOLD value indicates an exceedance of the Residential Direct Exposure Criteria (RDEC)
Underlined value indicates an exceedance of the Industrial/Commercial Direct Exposure Criteria (I/C DEC)
Shaded value indicates an exceedance of the GA Pollutant Mobility Criteria (GA PMC)
Shaded value indicates an exceedance of the GB Pollutant Mobility Criteria (GB PMC)

Table 2
Soil Sample Analytical Results
Roadway Improvements - Hope Street, Stamford, CT
ConnDOT Project No. 135-297
TRC Project No. 155171.000000.000000

Boring No.: Sample Interval (ftbg): Sample Date: Groundwater Classification/ Notes:	**SB-15P(1-2)** 1-2 1/24/2012 GB	**SB-16P 1.5-2.5** 1.5-2.5 1/24/2012 GB	**SB-18(1-2)** 1-2 1/31/2012 GB	**SB-19(2-3)** 2-3 1/31/2012 GB	**SB-20(1.5-2.5)** 1.5-2.5 1/31/2012 GB	**SB-21(1-2)** 1-2 1/31/2012 GB	**SB-27(1-2)** 1-2 1/31/2012 Duplicate of SB-21(1-2)	**SB-21(10-12)** 10-12 1/31/2012 GB	**SB-22(1-2)** 1-2 1/31/2012 GA	**SB-23(2-3)** 2-3 1/31/2012 GA	**SB-24(1-2)** 1-2 1/31/2012 GA	**SB-25(1.5-2.5)** 1.5-2.5 1/31/2012 GB	**SB-26(0-2)** 0-2 1/31/2012 GB	**SB-26(10-12)** 10-12 1/31/2012 GB	**FB013112** -- 1/31/2012 Field Blank	**CT RSRs**			
																RES DEC	I/C DEC	GA PMC	GB PMC
Volatile Organic Compounds - ug/kg																			
Method 8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Tetrachloroethene																12,000	110,000	100	1,000
Polynuclear Aromatic Hydrocarbons - ug/kg																			
Method 8270		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Anthracene																1,000,000	2,500,000	40,000	400,000
Benz(a)anthracene																1,000	7,800	1,000	1,000
Benzo(a)pyrene																1,000	1,000	1,000	1,000
Benzo(b)fluoranthene	300															1,000	7,800	1,000	1,000
Benzo(ghi)perylene																1,000,000	2,500,000	4,200	42,000
Benzo(k)fluoranthene																8,400	78,000	1,000	1,000
Chrysene																84,000	780,000	1,000	1,000
Fluoranthene	420															1,000,000	2,500,000	5,600	56,000
Indeno(1,2,3-cd)pyrene																1,000	7,800	1,000	1,000
Phenanthrene																1,000,000	2,500,000	4,000	40,000
Pyrene	370															1,000,000	2,500,000	4,000	40,000
Extractable Total Petroleum Hydrocarbons - mg/kg																			
CTDEP-Approved Method	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	500	2,500	500	2,500
Polychlorinated Biphenyls - ug/kg																			
Method 8082	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	10,000	--	--
Total RCRA 8 Metals - mg/kg																			
Methods 6010/7471															ND				
Arsenic	2.21	1.08				0.88	0.84		0.89	1.29	0.82		0.91			10	10	--	--
Barium	90	92.4	53.6	49.8	70.6	83.4	88.7	33	36.8	68.4	78.1	33.8	43.6	168		4,700	140,000	--	--
Cadmium	1.51	0.84			0.64	0.75	0.66		0.46	0.82	0.65	0.36	0.5	0.74		34	1,000	--	--
Chromium	25.4	28.8	22.6	28.2	27.8	19.7	22.5	11.4	15	21.9	29.3	17.3	17.8	34.8		NE	NE	--	--
Lead	143	9.32	11.2	5.17	16.7	81.7	65.7	3.29	28.5	123	31.6	4.34	43.3	1.77		400	1,000	--	--
Mercury	0.22						0.11			5.1						20	610	--	--
SPLP RCRA 8 Metals - mg/l																			
Methods 6010/7471								ND	ND						NA				
SPLP Arsenic	0.006					0.009										--	--	0.01	0.1
SPLP Barium	0.099	0.011	0.06	0.023	0.319	0.301	0.101			0.112	0.031	0.035	0.029	0.026		--	--	1	10
SPLP Chromium	0.015		0.01		0.062	0.039	0.012			0.021						--	--	0.05	0.5
SPLP Lead	0.26		0.029		0.159	0.81	0.275			0.237	0.036		0.031			--	--	0.015	0.15
SPLP Mercury										0.0175						--	--	0.002	0.02

NOTES:
ftbg - feet below grade
ND - Not Detected
NA - Not Analyzed

NE - Not Established
BOLD value indicates an exceedance of the Residential Direct Exposure Criteria (RDEC)
Underlined value indicates an exceedance of the Industrial/Commercial Direct Exposure Criteria (I/C DEC)
Shaded value indicates an exceedance of the GA Pollutant Mobility Criteria (GA PMC)
Shaded value indicates an exceedance of the GB Pollutant Mobility Criteria (GB PMC)

APPENDIX A

SOIL BORING LOGS

TRC
Results you can rely on
21 Griffin Road North
Windsor, CT 06095
Telephone: 860-298-9692
Fax: 860-298-6399

BORING NUMBER: **SB-01**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	8	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/24/12	Date Completed:	1/24/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	595557.253798	East:	788182.964691
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	80
Checked By:	Chris Carlson				

DRILLING INFORMATION	
Drilling Contractor:	Logical Environmental Solutions, LLC
Driller(s):	Wayne Lineberry
Drilling Method:	Direct-Push
Equipment/Model:	Truck-Mounted GeoProbe
Sampler:	Macrocore (MC)

GROUND WATER OBSERVATIONS			
MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
DATE			
DEPTH (ft.bgs.)	Not Observed		
REFERENCE			
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.6 ' **ASPHALT**	
1						0.6 '- 2.5 ' Light brown, **F-C SAND**, little fine gravel, dry, no odor, no staining	
2	MC-0-4	MC	4.0	2.5			
3							
4							
						4 '- 5.5 ' Light brown, **F-C SAND**, little fine gravel, dry, no odor, no staining	
5							
						5.5 '- 6.8 ' Medium brown, **F-M SAND**, dry, no odor, no staining	
6	MC-4-8	MC	4.0	2.8			
7							
8							
9						Bottom of borehole at 8.0 feet.	

VOC SCREENING RESULTS (ppm): 20 40 60 80

Notes: Collect sample SB-1(4-6) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1015.

21 Griffin Road North
Windsor, CT 06095
Telephone: 860-298-9692
Fax: 860-298-6399

BORING NUMBER: **SB-02**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	9	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/24/12	Date Completed:	1/24/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	595393.207235	East:	788325.947403
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	83
Checked By:	Chris Carlson				

DRILLING INFORMATION	
Drilling Contractor:	Logical Environmental Solutions, LLC
Driller(s):	Wayne Lineberry
Drilling Method:	Direct-Push
Equipment/Model:	Truck-Mounted GeoProbe
Sampler:	Macrocore (MC)

GROUND WATER OBSERVATIONS			
MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
DATE			
DEPTH (ft.bgs.)	Not Observed		
REFERENCE			
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆VOC SCREENING RESULTS (ppm) (20 40 60 80)
1						0 '- 1 ' **TOPSOIL**	
2	MC-0-4	MC	4.0	1.0			
3							
4							
						4 '- 4.9 ' Light gray, **F-C GRAVEL**	
5						4.9 '- 6 ' Light brown, **F-C SAND**, trace fine gravel, dry, no odor, no staining	
6	MC-4-8	MC	4.0	2.0			
7							
8							
9	MC-8-12	MC	1.0	1.0		8 '- 9 ' Light brown, **F-C SAND**, trace fine gravel, dry, no odor, no staining	
10						Refusal at 9.0 feet. Bottom of borehole at 9.0 feet.	
11							
12							

Notes: Collect sample SB-2(4-6) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1025. Collect sample SB-2(8-9) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1030.

SOIL BORING/WELL COMPLETION WITH NOTES - TRC-STD120711 US.GDT - 2/14/12
H:\HAZMAT\STAMFORD\HOPE STREET LOCAL ROADS PROJECT\BORING LOGS\HOPE STREET IMPROVEMENTS.GPJ

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BORING NUMBER: **SB-03**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	7	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/24/12	Date Completed:	1/24/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	595526.24963	East:	788360.894495
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	86
Checked By:	Chris Carlson				

DRILLING INFORMATION	
Drilling Contractor:	Logical Environmental Solutions, LLC
Driller(s):	Wayne Lineberry
Drilling Method:	Direct-Push
Equipment/Model:	Truck-Mounted GeoProbe
Sampler:	Macrocore (MC)

GROUND WATER OBSERVATIONS			
MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
DATE			
DEPTH (ft.bgs.)	Not Observed		
REFERENCE			
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆ VOC SCREENING RESULTS (ppm) (20 40 60 80)
1						0 '- 1.5 ' Medium brown, **SILT**, some fine gravel, trace fine sand, moist, no odor, no staining	
2	MC-0-4	MC	4.0	2.6		1.5 '- 2.6 ' Light brown, **F-C SAND**, some fine gravel, dry, no odor, no staining	
3							
4							
5	MC-4-7	MC	3.0	2.5		4 '- 6.5 ' Light brown, **F-C SAND**, some fine gravel, dry, no odor, no staining	
6							
7							
8						Refusal at 7.0 feet. Bottom of borehole at 7.0 feet.	

Notes: Collect sample SB-3(1.5-2.5) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1050. Collect sample SB-3(4-6) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1055.

21 Griffin Road North
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Fax: 860-298-6399

BORING NUMBER: **SB-05**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/31/12	Date Completed:	1/31/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	595568.369505	East:	788360.685185
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	86
Checked By:	Chris Carlson				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	Haz-Probe, LLC	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Frank Mead	DATE			
Drilling Method:	Direct-Push	DEPTH (ft.bgs.)	Not Observed		
Equipment/Model:	Skidsteer-Mounted GeoProbe	REFERENCE			
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.3 ' **CONCRETE**	
						0.3 '- 2.2 ' Light brown, **F-C SAND**, little fine to medium gravel, dry, no odor, no staining	
1							
2	MC-0-4	MC	4.0	2.2			
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-5(1-2) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 0900.

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Fax: 860-298-6399

BORING NUMBER: **SB-06**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/24/12	Date Completed:	1/24/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	595672.885262	East:	788330.985225
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	86
Checked By:	Chris Carlson				

DRILLING INFORMATION	
Drilling Contractor:	Logical Environmental Solutions, LLC
Driller(s):	Wayne Lineberry
Drilling Method:	Direct-Push
Equipment/Model:	Truck-Mounted GeoProbe
Sampler:	Macrocore (MC)

GROUND WATER OBSERVATIONS			
MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
DATE			
DEPTH (ft.bgs.)	Not Observed		
REFERENCE			
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆VOC SCREENING RESULTS (ppm) (20 40 60 80)
						0 '- 0.5 ' **ASPHALT**	
1						0.5 '- 2.5 ' Medium brown, **SILT**, some fine gravel, trace fine sand, dry, no odor, no staining	
2	MC-0-4	MC	4.0	2.5			
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-6(1.5-2.5) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1135.

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BORING NUMBER: **SB-07**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/24/12	Date Completed:	1/24/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	595846.508829	East:	788392.375069
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	85
Checked By:	Chris Carlson				

DRILLING INFORMATION	
Drilling Contractor:	Logical Environmental Solutions, LLC
Driller(s):	Wayne Lineberry
Drilling Method:	Direct-Push
Equipment/Model:	Truck-Mounted GeoProbe
Sampler:	Macrocore (MC)

GROUND WATER OBSERVATIONS			
MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
DATE			
DEPTH (ft.bgs.)	Not Observed		
REFERENCE			
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.8 ' Medium brown, **SILT**, little fine sand, trace fine gravel, moist, no odor, no staining	
1						0.8 '- 2.4 ' Medium brown, **F-C SAND**, little fine gravel, dry, no odor, no staining	
2	MC-0-4	MC	4.0	2.4			
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-7(1.5-2.5) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1150.

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BORING NUMBER: **SB-08**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/31/12	Date Completed:	1/31/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	595838.96835	East:	788340.30857
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	86
Checked By:	Chris Carlson				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	Haz-Probe, LLC	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Frank Mead	DATE			
Drilling Method:	Direct-Push	DEPTH (ft.bgs.)	Not Observed		
Equipment/Model:	Skidsteer-Mounted GeoProbe	REFERENCE			
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.4 ' **LANDSCAPING MULCH**	
						0.4 '- 2.3 ' Medium brown, **SILT**, some fine gravel, moist, no odor, no staining	
1							
2	MC-0-4		4.0	2.3			
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-8(1-2) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 0915.

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BORING NUMBER: **SB-09**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/24/12	Date Completed:	1/24/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	595923.780542	East:	788368.551975
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	87
Checked By:	Chris Carlson				

DRILLING INFORMATION	
Drilling Contractor:	Logical Environmental Solutions, LLC
Driller(s):	Wayne Lineberry
Drilling Method:	Direct-Push
Equipment/Model:	Truck-Mounted GeoProbe
Sampler:	Macrocore (MC)

GROUND WATER OBSERVATIONS			
MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
DATE			
DEPTH (ft.bgs.)	Not Observed		
REFERENCE			
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆VOC SCREENING RESULTS (ppm) (20 40 60 80)
1						0 '- 1.9 ' Medium brown, **F-M SAND**, little silt, trace fine gravel, dry, no odor, no staining	
2	MC-0-4	MC	4.0	1.9			
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-9(0-2) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1205.

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BORING NUMBER: **SB-10**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/31/12	Date Completed:	1/31/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	596004.461169	East:	788258.579606
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	88
Checked By:	Chris Carlson				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	Haz-Probe, LLC	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Frank Mead	DATE			
Drilling Method:	Direct-Push	DEPTH (ft.bgs.)	Not Observed		
Equipment/Model:	Skidsteer-Mounted GeoProbe	REFERENCE			
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆VOC SCREENING RESULTS (ppm) (20 40 60 80)
						0 '- 0.8 ' **ASPHALT**	
1						0.8 '- 3.5 ' Light brown, **F-C SAND**, some fine to medium gravel, trace silt, dry, no odor, no staining	
2	MC-0-4	MC	4.0	3.5			
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-10(2-3.5) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1005.

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BORING NUMBER: **SB-11**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/31/12	Date Completed:	1/31/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	596059.712277	East:	788208.05502
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	89
Checked By:	Chris Carlson				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	Haz-Probe, LLC	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Frank Mead	DATE			
Drilling Method:	Direct-Push	DEPTH (ft.bgs.)	Not Observed		
Equipment/Model:	Skidsteer-Mounted GeoProbe	REFERENCE			
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆VOC SCREENING RESULTS (ppm) (20 40 60 80)
						0 '- 0.5 ' Medium brown, **TOPSOIL**	
1						0.5 '- 2.4 ' Light brown, **F-M SAND**, little fine gravel, dry, no odor, no staining	
2	MC-0-4	MC	4.0	2.4			
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-11(0-2) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 0945.

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BORING NUMBER: **SB-12**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/24/12	Date Completed:	1/24/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	596080.711234	East:	788414.711928
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	87
Checked By:	Chris Carlson				

DRILLING INFORMATION	
Drilling Contractor:	Logical Environmental Solutions, LLC
Driller(s):	Wayne Lineberry
Drilling Method:	Direct-Push
Equipment/Model:	Truck-Mounted GeoProbe
Sampler:	Macrocore (MC)

GROUND WATER OBSERVATIONS			
MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
DATE			
DEPTH (ft.bgs.)	Not Observed		
REFERENCE			
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.4 ' **ASPHALT**	
1						0.4 '- 1.7 ' Light brown, **F-C SAND**, some fine to medium gravel, dry, no odor, no staining	
2	MC-1.7	MC	4.0				
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-12(0.5-1.5) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1330.

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BORING NUMBER: **SB-13**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/24/12	Date Completed:	1/24/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	596122.103515	East:	788599.274473
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	86
Checked By:	Chris Carlson				

DRILLING INFORMATION	
Drilling Contractor:	Logical Environmental Solutions, LLC
Driller(s):	Wayne Lineberry
Drilling Method:	Direct-Push
Equipment/Model:	Truck-Mounted GeoProbe
Sampler:	Macrocore (MC)

GROUND WATER OBSERVATIONS			
MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
DATE			
DEPTH (ft.bgs.)	Not Observed		
REFERENCE			
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.4 ' **TOPSOIL**	
1						0.4 '- 1.8 ' Medium brown, **SILT**, some fine sand, little fine gravel, moist, no odor, no staining	
2	MC-0-4	MC	4.0	2.1		1.8 '- 2.1 ' **PULVERIZED ROCK**	
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-13(0.5-1.5) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1350.

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BORING NUMBER: **SB-14**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/24/12	Date Completed:	1/24/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	596105.229693	East:	788359.009374
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	87
Checked By:	Chris Carlson				

DRILLING INFORMATION	
Drilling Contractor:	Logical Environmental Solutions, LLC
Driller(s):	Wayne Lineberry
Drilling Method:	Direct-Push
Equipment/Model:	Truck-Mounted GeoProbe
Sampler:	Macrocore (MC)

GROUND WATER OBSERVATIONS			
MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
DATE			
DEPTH (ft.bgs.)	Not Observed		
REFERENCE			
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆VOC SCREENING RESULTS (ppm) (20 40 60 80)
						0 '- 1.5 ' **LANDSCAPING MULCH**	
1							
						1.5 '- 2 ' Light black, **F-SAND**, some silt, little fine to coarse sand, trace fine gravel, moist, no odor, no staining	
2	MC-0-4	MC	4.0	2.0			
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-14(0-2) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1320.

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BORING NUMBER: **SB-15**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/24/12	Date Completed:	1/24/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	596113.689761	East:	788247.868481
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	89
Checked By:	Chris Carlson				

DRILLING INFORMATION	
Drilling Contractor:	Logical Environmental Solutions, LLC
Driller(s):	Wayne Lineberry
Drilling Method:	Direct-Push
Equipment/Model:	Truck-Mounted GeoProbe
Sampler:	Macrocore (MC)

GROUND WATER OBSERVATIONS			
MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
DATE			
DEPTH (ft.bgs.)	Not Observed		
REFERENCE			
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆VOC SCREENING RESULTS (ppm) (20 40 60 80)
						0 '- 0.5 ' **TOPSOIL**	
						0.5 '- 2 ' Medium brown, **SILT**, trace fine gravel, moist, no odor, no staining	
1							
2	MC-0-4	MC	4.0	2.4		2 '- 2.4 ' **PULVERIZED ROCK**	
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-15(1-2) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1310.

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BORING NUMBER: **SB-16**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/24/12	Date Completed:	1/24/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	596208.666219	East:	788170.900193
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	91
Checked By:	Chris Carlson				

DRILLING INFORMATION	
Drilling Contractor:	Logical Environmental Solutions, LLC
Driller(s):	Wayne Lineberry
Drilling Method:	Direct-Push
Equipment/Model:	Truck-Mounted GeoProbe
Sampler:	Macrocore (MC)

GROUND WATER OBSERVATIONS			
MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
DATE			
DEPTH (ft.bgs.)	Not Observed		
REFERENCE			
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆VOC SCREENING RESULTS (ppm) (20 40 60 80)
						0 '- 0.8 ' **TOPSOIL**	
1						0.8 '- 2.8 ' Light brown, **F-SAND**, some fine gravel, little silt, dry, no odor, no staining	
2	MC-0-4	MC	4.0	2.8			
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-16(1.5-2.5) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1415.

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BORING NUMBER: **SB-18**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/31/12	Date Completed:	1/31/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	596414.621641	East:	788317.97167
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	90
Checked By:	Chris Carlson				

DRILLING INFORMATION	
Drilling Contractor:	Haz-Probe, LLC
Driller(s):	Frank Mead
Drilling Method:	Direct-Push
Equipment/Model:	Skidsteer-Mounted GeoProbe
Sampler:	Macrocore (MC)

GROUND WATER OBSERVATIONS			
MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
DATE			
DEPTH (ft.bgs.)	Not Observed		
REFERENCE			
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆ VOC SCREENING RESULTS (ppm) (20 40 60 80)
						0 '- 0.4 ' **CONCRETE**	
						0.4 '- 0.9 ' **ASPHALT**	
1						0.9 '- 2 ' Medium brown, **F-C SAND**, little fine gravel, dry, no odor, no staining	
2	MC-0-4	MC	4.0	2.0			
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-18(1-2) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1040.

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BORING NUMBER: **SB-19**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/31/12	Date Completed:	1/31/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	596451.175402	East:	788368.516233
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	89
Checked By:	Chris Carlson				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	Haz-Probe, LLC	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Frank Mead	DATE			
Drilling Method:	Direct-Push	DEPTH (ft.bgs.)	Not Observed		
Equipment/Model:	Skidsteer-Mounted GeoProbe	REFERENCE			
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆VOC SCREENING RESULTS (ppm)
						0 '- 0.4 ' **TOPSOIL**	
						0.4 '- 2.9 ' Light brown, **F-C SAND & F-GRAVEL**, dry, no odor, no staining	
1							
2	MC-0-4	MC	4.0	2.9			
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-19(2-3) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1025.

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BORING NUMBER: **SB-20**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/31/12	Date Completed:	1/31/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	596430.671544	East:	788108.420679
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	93
Checked By:	Chris Carlson				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	Haz-Probe, LLC	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Frank Mead	DATE			
Drilling Method:	Direct-Push	DEPTH (ft.bgs.)	Not Observed		
Equipment/Model:	Skidsteer-Mounted GeoProbe	REFERENCE			
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆VOC SCREENING RESULTS (ppm) (20 40 60 80)
						0 '- 0.4 ' **CONCRETE**	
1						0.4 '- 2 ' Medium brown, **SILT & CLAY**, moist, no odor, no staining	
2	MC-0-4	MC	4.0	3.0			
3						2 '- 3 ' Light brown, **F-SAND**, some silt, little fine to medium gravel, dry, no odor, no staining	
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-20(1.5-2.5) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1050.

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BORING NUMBER: **SB-21**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	12	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/31/12	Date Completed:	1/31/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	596433.073062	East:	787996.31863
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	94
Checked By:	Chris Carlson				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	Haz-Probe, LLC	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Frank Mead	DATE			
Drilling Method:	Direct-Push	DEPTH (ft.bgs.)	Not Observed		
Equipment/Model:	Skidsteer-Mounted GeoProbe	REFERENCE			
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.6 ' **CONCRETE**	
1, 2, 3, 4	MC-0-4	MC	4.0	2.3		0.6 '- 2.3 ' Medium brown, **SILT**, trace fine gravel, moist, no odor, no staining	
5, 6, 7, 8	MC-4-8	MC	4.0	3.2		4 '- 5 ' Medium brown, **SILT**, trace fine gravel, moist, no odor, no staining 5 '- 7.2 ' Light brown, **F-C SAND**, some fine gravel, dry, no odor, no staining	
9, 10, 11, 12	MC-8-12	MC	4.0	4.0			
13						Bottom of borehole at 12.0 feet.	

VOC SCREENING RESULTS (ppm): 20 40 60 80

Notes: Collect sample SB-21(1-2) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1130. Collect sample SB-21(10-12) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1140. Collect SB-27(1-2), a duplicate of SB-21(1-2) for same.

21 Griffin Road North
Windsor, CT 06095
Telephone: 860-298-9692
Fax: 860-298-6399

BORING NUMBER: **SB-22**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/31/12	Date Completed:	1/31/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	596441.275483	East:	787948.512738
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	94
Checked By:	Chris Carlson				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	Haz-Probe, LLC	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Frank Mead	DATE			
Drilling Method:	Direct-Push	DEPTH (ft.bgs.)	Not Observed		
Equipment/Model:	Skidsteer-Mounted GeoProbe	REFERENCE			
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆VOC SCREENING RESULTS (ppm) (20 40 60 80)
						0 '- 0.8 ' Light brown, **F-C SAND**, little fine gravel, dry, no odor, no staining	
1							
2	MC-0-4	MC	4.0	0.8			
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-22(1-2) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1205.

21 Griffin Road North
Windsor, CT 06095
Telephone: 860-298-9692
Fax: 860-298-6399

BORING NUMBER: **SB-23**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/31/12	Date Completed:	1/31/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	596608.370231	East:	787878.216613
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	97
Checked By:	Chris Carlson				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	Haz-Probe, LLC	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Frank Mead	DATE			
Drilling Method:	Direct-Push	DEPTH (ft.bgs.)	Not Observed		
Equipment/Model:	Skidsteer-Mounted GeoProbe	REFERENCE			
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.7 ' **TOPSOIL**	
1						0.7 '- 2 ' Medium brown, **SILT**, moist, no odor, no staining	
2	MC-0-4	MC	4.0	3.1		2 '- 3.1 ' Light brown, **F-C SAND**, little fine gravel, dry, no odor, no staining	
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-23(2-3) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1210.

SOIL BORING/WELL COMPLETION WITH NOTES - TRC-STD120711 US.GDT - 2/14/12
H:\HAZMAT\STAMFORD\HOPE STREET LOCAL ROADS PROJECT\BORING LOGS\HOPE STREET IMPROVEMENTS.GPJ

TRC
Results you can rely on
21 Griffin Road North
Windsor, CT 06095
Telephone: 860-298-9692
Fax: 860-298-6399

BORING NUMBER: **SB-24**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/31/12	Date Completed:	1/31/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	596711.961876	East:	787834.483443
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	97
Checked By:	Chris Carlson				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	Haz-Probe, LLC	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Frank Mead	DATE			
Drilling Method:	Direct-Push	DEPTH (ft.bgs.)	Not Observed		
Equipment/Model:	Skidsteer-Mounted GeoProbe	REFERENCE			
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆VOC SCREENING RESULTS (ppm) (20 40 60 80)
						0 '- 0.6 ' **TOPSOIL**	
1						0.6 '- 2.6 ' Light brown, **F-C SAND**, little fine gravel, trace silt, dry, no odor, no staining	
2	MC-0-4	MC	4.0	2.6			
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-24(1-2) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1215.

21 Griffin Road North
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Telephone: 860-298-9692
Fax: 860-298-6399

BORING NUMBER: **SB-25**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	4	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/31/12	Date Completed:	1/31/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	596967.977754	East:	787793.717141
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	102
Checked By:	Chris Carlson				

DRILLING INFORMATION	
Drilling Contractor:	Haz-Probe, LLC
Driller(s):	Frank Mead
Drilling Method:	Direct-Push
Equipment/Model:	Skidsteer-Mounted GeoProbe
Sampler:	Macrocore (MC)

GROUND WATER OBSERVATIONS			
MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
DATE			
DEPTH (ft.bgs.)	Not Observed		
REFERENCE			
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	◆ VOC SCREENING RESULTS (ppm) (20 40 60 80)
						0 '- 0.5 ' **CONCRETE**	
1						0.5 '- 2.8 ' Light brown, **F-C SAND**, little fine gravel, trace silt, dry, no odor, no staining	
2	MC-0-4	MC	4.0	2.8			
3							
4							
5						Bottom of borehole at 4.0 feet.	

Notes: Collect sample SB-25(1.5-2.5) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1240.

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Fax: 860-298-6399

BORING NUMBER: **SB-26**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Hope Street Improvements Project Task 210	Boring Depth:	12	Hole Diameter:	3"
Project Location:	Hope Street, Stamford, CT	Date Started:	1/31/12	Date Completed:	1/31/12
Project Number:	155171.0000.0000	Coordinate System:	CT State Plane 1983		
Client:	City of Stamford	North:	597235.711293	East:	787737.657001
Logged By:	Chris Lindahl	Vertical Datum:	NAVD 88	Ground Elevation:	106
Checked By:	Chris Carlson				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	Haz-Probe, LLC	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Frank Mead	DATE			
Drilling Method:	Direct-Push	DEPTH (ft.bgs.)	Not Observed		
Equipment/Model:	Skidsteer-Mounted GeoProbe	REFERENCE			
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.8 ' **CONCRETE**	
1						0.8 '- 2.5 ' Light brown, **F-C SAND**, some fine to coarse gravel, dry, no odor, no staining	
2	MC-0-4	MC	4.0	2.5			
3							
4							
						4 '- 5 ' **PULVERIZED ROCK**	
5						5 '- 8 ' Light brown, **F-C SAND**, some fine gravel, dry, no odor, no staining	
6	MC-4-8	MC	4.0	4.0			
7							
8							
						8 '- 12 ' **PULVERIZED ROCK**, some fine to coarse sand, no odor, no staining	
9							
10	MC-8-12	MC	4.0	4.0			
11							
12							
13						Bottom of borehole at 12.0 feet.	

VOC SCREENING RESULTS (ppm): 20 40 60 80

Notes: Collect sample SB-26(0-2) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1310. Collect sample SB-26(10-12) for VOCs, PAHs, ETPH, PCBs, total and SPLP RCRA 8 metals at 1320.

APPENDIX B

LABORATORY ANALYTICAL REPORTS

PHOENIX
Environmental Laboratories, Inc.

Friday, February 10, 2012

Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: STAMFORD-HOPE STREET ROADS
Sample ID#s: BB39242 - BB39258

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/31/12	9:00
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39242

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: SB-5 (1-2)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	02/02/12		EK	6010/200.7
Arsenic	< 0.69	0.69	mg/Kg	02/02/12		EK	6010/200.7
Barium	47.8	0.35	mg/Kg	02/02/12		EK	6010/200.7
Cadmium	1.03	0.35	mg/Kg	02/02/12		LK	6010/200.7
Chromium	77.6	0.35	mg/Kg	02/02/12		EK	6010/200.7
Mercury	< 0.08	0.08	mg/Kg	02/02/12		RS	SW-7471
Lead	5.44	0.35	mg/Kg	02/02/12		EK	6010/200.7
Selenium	< 1.4	1.4	mg/Kg	02/02/12		EK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	02/06/12		EK	E1312/SW6010
SPLP Barium	0.066	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	02/06/12		EK	E1312/SW6010
SPLP Chromium	0.019	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	02/02/12		RS	1312/SW7471
SPLP Lead	0.016	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	02/06/12		EK	E1312/SW6010
Total Metals Digest	Completed			02/01/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/02/12		D	SW846-3005
Percent Solid	94		%	02/01/12		JL	E160.3
Soil Extraction for PCB	Completed			02/01/12		RB/F	SW3545
Soil Extraction SVOA BN	Completed			02/01/12		RB/R	SW3545
Extraction of CT ETPH	Completed			02/01/12		BS/F	3545
Mercury Digestion	Completed			02/02/12		D	SW7471
SPLP Digestion Mercury	Completed			02/02/12		D	E1312/SW7470
SPLP Extraction for Metals	Completed			02/01/12		D	EPA 1312
Field Extraction	Completed			01/31/12		TRC	SW5035

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-5 (1-2)

Phoenix I.D.: BB39242

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	02/02/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	02/02/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	59		%	02/02/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1221	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1232	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1242	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1248	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1254	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1260	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1262	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1268	ND	350	ug/Kg	02/02/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	82		%	02/02/12		MH	30 - 150 %
% TCMX	95		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,1,1-Trichloroethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	02/02/12		R/J	SW8260
1,1,2-Trichloroethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloropropene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichloropropane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichlorobenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloroethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloropropane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichlorobenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichloropropane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,4-Dichlorobenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
2,2-Dichloropropane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
2-Chlorotoluene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
2-Hexanone	ND	27	ug/Kg	02/02/12		R/J	SW8260
2-Isopropyltoluene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
4-Chlorotoluene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
4-Methyl-2-pentanone	ND	27	ug/Kg	02/02/12		R/J	SW8260
Acetone	ND	110	ug/Kg	02/02/12		R/J	SW8260
Acrylonitrile	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Benzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Bromobenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-5 (1-2)

Phoenix I.D.: BB39242

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Bromodichloromethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Bromoform	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Bromomethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Carbon Disulfide	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Carbon tetrachloride	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Chlorobenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Chloroethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Chloroform	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Chloromethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Dibromochloromethane	ND	3.3	ug/Kg	02/02/12		R/J	SW8260
Dibromoethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Dibromomethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Ethylbenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Hexachlorobutadiene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Isopropylbenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
m&p-Xylene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Methyl Ethyl Ketone	ND	33	ug/Kg	02/02/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	02/02/12		R/J	SW8260
Methylene chloride	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Naphthalene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
n-Butylbenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
n-Propylbenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
o-Xylene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
p-Isopropyltoluene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
sec-Butylbenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Styrene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
tert-Butylbenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Tetrachloroethene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	02/02/12		R/J	SW8260
Toluene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Total Xylenes	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	02/02/12		R/J	SW8260
Trichloroethene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Trichlorofluoromethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Vinyl chloride	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	02/02/12		R/J	70 - 130 %
% Bromofluorobenzene	97		%	02/02/12		R/J	70 - 130 %
% Dibromofluoromethane	107		%	02/02/12		R/J	70 - 130 %
% Toluene-d8	98		%	02/02/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Acenaphthene	ND	240	ug/Kg	02/01/12		KCA	SW 8270

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-5 (1-2)

Phoenix I.D.: BB39242

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Anthracene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Chrysene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Fluoranthene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Fluorene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Naphthalene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Phenanthrene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Pyrene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	88		%	02/01/12		KCA	30 - 130 %
% Nitrobenzene-d5	87		%	02/01/12		KCA	30 - 130 %
% Terphenyl-d14	118		%	02/01/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/31/12	9:15
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39243

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: SB-8 (1-2)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	02/02/12		EK	6010/200.7
Arsenic	0.78	0.72	mg/Kg	02/02/12		EK	6010/200.7
Barium	68.2	0.36	mg/Kg	02/02/12		EK	6010/200.7
Cadmium	0.52	0.36	mg/Kg	02/07/12		EK	6010/200.7
Chromium	21.4	0.36	mg/Kg	02/02/12		EK	6010/200.7
Mercury	< 0.07	0.07	mg/Kg	02/02/12		RS	SW-7471
Lead	27.6	0.36	mg/Kg	02/02/12		EK	6010/200.7
Selenium	< 1.4	1.4	mg/Kg	02/02/12		EK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Arsenic	0.005	0.004	mg/L	02/06/12		EK	E1312/SW6010
SPLP Barium	0.535	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	02/06/12		EK	E1312/SW6010
SPLP Chromium	0.072	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Mercury	< 0.001	0.001	mg/L	02/02/12		RS	1312/SW7471
SPLP Lead	0.335	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	02/06/12		EK	E1312/SW6010
Total Metals Digest	Completed			02/01/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/02/12		D	SW846-3005
Percent Solid	90		%	02/01/12		JL	E160.3
Soil Extraction for PCB	Completed			02/01/12		BB/F	SW3545
Soil Extraction SVOA BN	Completed			02/01/12		RB/R	SW3545
Extraction of CT ETPH	Completed			02/01/12		SS/F	3545
Mercury Digestion	Completed			02/02/12		D	SW7471
SPLP Digestion Mercury	Completed			02/02/12		D	E1312/SW7470
SPLP Extraction for Metals	Completed			02/01/12		D	EPA 1312
Field Extraction	Completed			01/31/12		TRC	SW5035

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-8 (1-2)

Phoenix I.D.: BB39243

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	11	mg/Kg	02/02/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	02/02/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	76		%	02/02/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1221	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1232	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1242	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1248	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1254	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1260	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1262	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1268	ND	360	ug/Kg	02/02/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	76		%	02/02/12		MH	30 - 150 %
% TCMX	88		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,1,1-Trichloroethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	02/02/12		R/J	SW8260
1,1,2-Trichloroethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloropropene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichloropropane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloroethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloropropane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichloropropane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
2,2-Dichloropropane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
2-Chlorotoluene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
2-Hexanone	ND	25	ug/Kg	02/02/12		R/J	SW8260
2-Isopropyltoluene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
4-Chlorotoluene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
4-Methyl-2-pentanone	ND	25	ug/Kg	02/02/12		R/J	SW8260
Acetone	ND	100	ug/Kg	02/02/12		R/J	SW8260
Acrylonitrile	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Benzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Bromobenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-8 (1-2)

Phoenix I.D.: BB39243

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Bromodichloromethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Bromoform	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Bromomethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Carbon tetrachloride	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Chlorobenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Chloroethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Chloroform	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Chloromethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Dibromochloromethane	ND	3.0	ug/Kg	02/02/12		R/J	SW8260
Dibromoethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Dibromomethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Ethylbenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Hexachlorobutadiene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Isopropylbenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
m&p-Xylene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	02/02/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	02/02/12		R/J	SW8260
Methylene chloride	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Naphthalene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
n-Butylbenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
n-Propylbenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
o-Xylene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
p-Isopropyltoluene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
sec-Butylbenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Styrene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
tert-Butylbenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Tetrachloroethene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	02/02/12		R/J	SW8260
Toluene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Total Xylenes	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	02/02/12		R/J	SW8260
Trichloroethene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Trichlorofluoromethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Vinyl chloride	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	94		%	02/02/12		R/J	70 - 130 %
% Bromofluorobenzene	77		%	02/02/12		R/J	70 - 130 %
% Dibromofluoromethane	110		%	02/02/12		R/J	70 - 130 %
% Toluene-d8	91		%	02/02/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Acenaphthene	ND	250	ug/Kg	02/02/12		KCA	SW 8270

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-8 (1-2)

Phoenix I.D.: BB39243

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Anthracene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Chrysene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Fluoranthene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Fluorene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Naphthalene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Phenanthrene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Pyrene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	89		%	02/02/12		KCA	30 - 130 %
% Nitrobenzene-d5	88		%	02/02/12		KCA	30 - 130 %
% Terphenyl-d14	95		%	02/02/12		KCA	30 - 130 %

Comments:

**Poor IS recovery was observed for volatiles due to matrix interference. Sample was analyzed twice with similar results.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/31/12	9:45
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39244

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: SB-11 (0-2)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.32	0.32	mg/Kg	02/02/12		EK	6010/200.7
Arsenic	< 0.65	0.65	mg/Kg	02/02/12		EK	6010/200.7
Barium	26.8	0.32	mg/Kg	02/02/12		EK	6010/200.7
Cadmium	< 0.32	0.32	mg/Kg	02/07/12		EK	6010/200.7
Chromium	12.2	0.32	mg/Kg	02/02/12		EK	6010/200.7
Mercury	< 0.06	0.06	mg/Kg	02/02/12		RS	SW-7471
Lead	5.07	0.32	mg/Kg	02/02/12		EK	6010/200.7
Selenium	< 1.3	1.3	mg/Kg	02/02/12		EK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	02/03/12		EK	E1312/SW6010
SPLP Barium	0.062	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	02/06/12		EK	E1312/SW6010
SPLP Chromium	0.012	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	02/02/12		RS	1312/SW7471
SPLP Lead	0.017	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	02/06/12		EK	E1312/SW6010
Total Metals Digest	Completed			02/01/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/02/12		D	SW846-3005
Percent Solid	94		%	02/01/12		JL	E160.3
Soil Extraction for PCB	Completed			02/01/12		BB/F	SW3545
Soil Extraction SVOA BN	Completed			02/01/12		RB/R	SW3545
Extraction of CT ETPH	Completed			02/01/12		SS/F	3545
Mercury Digestion	Completed			02/02/12		D	SW7471
SPLP Digestion Mercury	Completed			02/02/12		D	E1312/SW7470
SPLP Extraction for Metals	Completed			02/01/12		D	EPA 1312
Field Extraction	Completed			01/31/12		TRC	SW5035

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-11 (0-2)

Phoenix I.D.: BB39244

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	02/02/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	02/02/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	79		%	02/02/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1221	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1232	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1242	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1248	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1254	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1260	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1262	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1268	ND	350	ug/Kg	02/02/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	78		%	02/02/12		MH	30 - 150 %
% TCMX	88		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,1,1-Trichloroethane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.4	ug/Kg	02/02/12		R/J	SW8260
1,1,2-Trichloroethane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloropropene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichloropropane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichlorobenzene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloroethane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloropropane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichlorobenzene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichloropropane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
1,4-Dichlorobenzene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
2,2-Dichloropropane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
2-Chlorotoluene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
2-Hexanone	ND	28	ug/Kg	02/02/12		R/J	SW8260
2-Isopropyltoluene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
4-Chlorotoluene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
4-Methyl-2-pentanone	ND	28	ug/Kg	02/02/12		R/J	SW8260
Acetone	ND	110	ug/Kg	02/02/12		R/J	SW8260
Acrylonitrile	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Benzene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Bromobenzene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-11 (0-2)

Phoenix I.D.: BB39244

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Bromodichloromethane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Bromoform	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Bromomethane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Carbon Disulfide	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Carbon tetrachloride	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Chlorobenzene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Chloroethane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Chloroform	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Chloromethane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Dibromochloromethane	ND	3.4	ug/Kg	02/02/12		R/J	SW8260
Dibromoethane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Dibromomethane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Ethylbenzene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Hexachlorobutadiene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Isopropylbenzene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
m&p-Xylene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Methyl Ethyl Ketone	ND	34	ug/Kg	02/02/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	02/02/12		R/J	SW8260
Methylene chloride	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Naphthalene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
n-Butylbenzene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
n-Propylbenzene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
o-Xylene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
p-Isopropyltoluene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
sec-Butylbenzene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Styrene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
tert-Butylbenzene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Tetrachloroethene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	02/02/12		R/J	SW8260
Toluene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Total Xylenes	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	02/02/12		R/J	SW8260
Trichloroethene	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Trichlorofluoromethane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
Vinyl chloride	ND	5.6	ug/Kg	02/02/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	02/02/12		R/J	70 - 130 %
% Bromofluorobenzene	95		%	02/02/12		R/J	70 - 130 %
% Dibromofluoromethane	104		%	02/02/12		R/J	70 - 130 %
% Toluene-d8	96		%	02/02/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Acenaphthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-11 (0-2)

Phoenix I.D.: BB39244

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Chrysene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Fluorene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Naphthalene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Phenanthrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	48		%	02/02/12		KCA	30 - 130 %
% Nitrobenzene-d5	48		%	02/02/12		KCA	30 - 130 %
% Terphenyl-d14	47		%	02/02/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/31/12	10:05
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39245

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: SB-10 (2-3.5)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	02/02/12		EK	6010/200.7
Arsenic	< 0.70	0.70	mg/Kg	02/02/12		EK	6010/200.7
Barium	93.8	0.35	mg/Kg	02/02/12		EK	6010/200.7
Cadmium	< 0.35	0.35	mg/Kg	02/07/12		EK	6010/200.7
Chromium	27.0	0.35	mg/Kg	02/02/12		EK	6010/200.7
Mercury	< 0.07	0.07	mg/Kg	02/02/12		RS	SW-7471
Lead	4.04	0.35	mg/Kg	02/02/12		EK	6010/200.7
Selenium	< 1.4	1.4	mg/Kg	02/02/12		EK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	02/03/12		EK	E1312/SW6010
SPLP Barium	0.148	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	02/06/12		EK	E1312/SW6010
SPLP Chromium	0.023	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	02/02/12		RS	1312/SW7471
SPLP Lead	0.018	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	02/06/12		EK	E1312/SW6010
Total Metals Digest	Completed			02/01/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/02/12		D	SW846-3005
Percent Solid	96		%	02/01/12		JL	E160.3
Soil Extraction for PCB	Completed			02/01/12		BB/F	SW3545
Soil Extraction SVOA BN	Completed			02/01/12		RB/R	SW3545
Extraction of CT ETPH	Completed			02/01/12		SS/F	3545
Mercury Digestion	Completed			02/02/12		D	SW7471
SPLP Digestion Mercury	Completed			02/02/12		D	E1312/SW7470
SPLP Extraction for Metals	Completed			02/01/12		D	EPA 1312
Field Extraction	Completed			01/31/12		TRC	SW5035

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-10 (2-3.5)

Phoenix I.D.: BB39245

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	02/02/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	02/02/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	94		%	02/02/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1221	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1232	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1242	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1248	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1254	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1260	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1262	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1268	ND	340	ug/Kg	02/02/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	86		%	02/02/12		MH	30 - 150 %
% TCMX	98		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,1,1-Trichloroethane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg	02/02/12		R/J	SW8260
1,1,2-Trichloroethane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloropropene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichloropropane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichlorobenzene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloroethane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloropropane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichlorobenzene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichloropropane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
1,4-Dichlorobenzene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
2,2-Dichloropropane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
2-Chlorotoluene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
2-Hexanone	ND	27	ug/Kg	02/02/12		R/J	SW8260
2-Isopropyltoluene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
4-Chlorotoluene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
4-Methyl-2-pentanone	ND	27	ug/Kg	02/02/12		R/J	SW8260
Acetone	ND	110	ug/Kg	02/02/12		R/J	SW8260
Acrylonitrile	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Benzene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Bromobenzene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-10 (2-3.5)

Phoenix I.D.: BB39245

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Bromodichloromethane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Bromoform	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Bromomethane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Carbon Disulfide	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Carbon tetrachloride	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Chlorobenzene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Chloroethane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Chloroform	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Chloromethane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Dibromochloromethane	ND	3.2	ug/Kg	02/02/12		R/J	SW8260
Dibromoethane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Dibromomethane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Ethylbenzene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Hexachlorobutadiene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Isopropylbenzene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
m&p-Xylene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Methyl Ethyl Ketone	ND	32	ug/Kg	02/02/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	02/02/12		R/J	SW8260
Methylene chloride	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Naphthalene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
n-Butylbenzene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
n-Propylbenzene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
o-Xylene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
p-Isopropyltoluene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
sec-Butylbenzene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Styrene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
tert-Butylbenzene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Tetrachloroethene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	02/02/12		R/J	SW8260
Toluene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Total Xylenes	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	02/02/12		R/J	SW8260
Trichloroethene	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Trichlorofluoromethane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
Vinyl chloride	ND	5.3	ug/Kg	02/02/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	02/02/12		R/J	70 - 130 %
% Bromofluorobenzene	97		%	02/02/12		R/J	70 - 130 %
% Dibromofluoromethane	99		%	02/02/12		R/J	70 - 130 %
% Toluene-d8	98		%	02/02/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Acenaphthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-10 (2-3.5)

Phoenix I.D.: BB39245

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Chrysene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Fluorene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Naphthalene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Phenanthrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	77		%	02/02/12		KCA	30 - 130 %
% Nitrobenzene-d5	79		%	02/02/12		KCA	30 - 130 %
% Terphenyl-d14	101		%	02/02/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/31/12	10:25
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39246

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: SB-19 (2-3)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	02/02/12		EK	6010/200.7
Arsenic	< 0.67	0.67	mg/Kg	02/02/12		EK	6010/200.7
Barium	49.8	0.34	mg/Kg	02/02/12		EK	6010/200.7
Cadmium	< 0.34	0.34	mg/Kg	02/07/12		EK	6010/200.7
Chromium	28.2	0.34	mg/Kg	02/02/12		EK	6010/200.7
Mercury	< 0.07	0.07	mg/Kg	02/02/12		RS	SW-7471
Lead	5.17	0.34	mg/Kg	02/02/12		EK	6010/200.7
Selenium	< 1.3	1.3	mg/Kg	02/02/12		EK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	02/03/12		EK	E1312/SW6010
SPLP Barium	0.023	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	02/06/12		EK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	02/02/12		RS	1312/SW7471
SPLP Lead	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	02/06/12		EK	E1312/SW6010
Total Metals Digest	Completed			02/01/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/02/12		D	SW846-3005
Percent Solid	94		%	02/01/12		JL	E160.3
Soil Extraction for PCB	Completed			02/01/12		BB/F	SW3545
Soil Extraction SVOA BN	Completed			02/01/12		RB/R	SW3545
Extraction of CT ETPH	Completed			02/01/12		SS/F	3545
Mercury Digestion	Completed			02/02/12		D	SW7471
SPLP Digestion Mercury	Completed			02/02/12		D	E1312/SW7470
SPLP Extraction for Metals	Completed			02/01/12		D	EPA 1312
Field Extraction	Completed			01/31/12		TRC	SW5035

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-19 (2-3)

Phoenix I.D.: BB39246

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	02/02/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	02/02/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	81		%	02/02/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1221	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1232	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1242	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1248	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1254	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1260	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1262	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1268	ND	350	ug/Kg	02/02/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	90		%	02/02/12		MH	30 - 150 %
% TCMX	103		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,1,1-Trichloroethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	2.7	ug/Kg	02/02/12		R/J	SW8260
1,1,2-Trichloroethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloropropene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichloropropane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichlorobenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloroethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloropropane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichlorobenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichloropropane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,4-Dichlorobenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
2,2-Dichloropropane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
2-Chlorotoluene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
2-Hexanone	ND	23	ug/Kg	02/02/12		R/J	SW8260
2-Isopropyltoluene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
4-Chlorotoluene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
4-Methyl-2-pentanone	ND	23	ug/Kg	02/02/12		R/J	SW8260
Acetone	ND	91	ug/Kg	02/02/12		R/J	SW8260
Acrylonitrile	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Benzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Bromobenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-19 (2-3)

Phoenix I.D.: BB39246

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Bromodichloromethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Bromoform	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Bromomethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Carbon Disulfide	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Carbon tetrachloride	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Chlorobenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Chloroethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Chloroform	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Chloromethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Dibromochloromethane	ND	2.7	ug/Kg	02/02/12		R/J	SW8260
Dibromoethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Dibromomethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Dichlorodifluoromethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Ethylbenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Hexachlorobutadiene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Isopropylbenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
m&p-Xylene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	02/02/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	9.1	ug/Kg	02/02/12		R/J	SW8260
Methylene chloride	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Naphthalene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
n-Butylbenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
n-Propylbenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
o-Xylene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
p-Isopropyltoluene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
sec-Butylbenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Styrene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
tert-Butylbenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Tetrachloroethene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	9.1	ug/Kg	02/02/12		R/J	SW8260
Toluene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Total Xylenes	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	9.1	ug/Kg	02/02/12		R/J	SW8260
Trichloroethene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Trichlorofluoromethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Trichlorotrifluoroethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Vinyl chloride	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	02/02/12		R/J	70 - 130 %
% Bromofluorobenzene	95		%	02/02/12		R/J	70 - 130 %
% Dibromofluoromethane	107		%	02/02/12		R/J	70 - 130 %
% Toluene-d8	97		%	02/02/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Acenaphthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-19 (2-3)

Phoenix I.D.: BB39246

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Chrysene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Fluorene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Naphthalene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Phenanthrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	88		%	02/02/12		KCA	30 - 130 %
% Nitrobenzene-d5	87		%	02/02/12		KCA	30 - 130 %
% Terphenyl-d14	114		%	02/02/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/31/12	10:40
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39247

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: SB-18 (1-2)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.32	0.32	mg/Kg	02/02/12		EK	6010/200.7
Arsenic	< 0.64	0.64	mg/Kg	02/02/12		EK	6010/200.7
Barium	53.6	0.32	mg/Kg	02/02/12		EK	6010/200.7
Cadmium	< 0.32	0.32	mg/Kg	02/07/12		EK	6010/200.7
Chromium	22.6	0.32	mg/Kg	02/02/12		EK	6010/200.7
Mercury	< 0.08	0.08	mg/Kg	02/02/12		RS	SW-7471
Lead	11.2	0.32	mg/Kg	02/02/12		EK	6010/200.7
Selenium	< 1.3	1.3	mg/Kg	02/02/12		EK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	02/06/12		EK	E1312/SW6010
SPLP Barium	0.060	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	02/06/12		EK	E1312/SW6010
SPLP Chromium	0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	02/02/12		RS	1312/SW7471
SPLP Lead	0.029	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	02/06/12		EK	E1312/SW6010
Total Metals Digest	Completed			02/01/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/02/12		D	SW846-3005
Percent Solid	95		%	02/01/12		JL	E160.3
Soil Extraction for PCB	Completed			02/01/12		BB/F	SW3545
Soil Extraction SVOA BN	Completed			02/01/12		RB/R	SW3545
Extraction of CT ETPH	Completed			02/01/12		SS/F	3545
Mercury Digestion	Completed			02/02/12		D	SW7471
SPLP Digestion Mercury	Completed			02/02/12		D	E1312/SW7470
SPLP Extraction for Metals	Completed			02/01/12		D	EPA 1312
Field Extraction	Completed			01/31/12		TRC	SW5035

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-18 (1-2)

Phoenix I.D.: BB39247

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	02/02/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	02/02/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	76		%	02/02/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1221	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1232	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1242	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1248	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1254	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1260	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1262	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1268	ND	340	ug/Kg	02/02/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	81		%	02/02/12		MH	30 - 150 %
% TCMX	92		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,1,1-Trichloroethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	02/02/12		R/J	SW8260
1,1,2-Trichloroethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloropropene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichloropropane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichlorobenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloroethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloropropane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichlorobenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichloropropane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
1,4-Dichlorobenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
2,2-Dichloropropane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
2-Chlorotoluene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
2-Hexanone	ND	27	ug/Kg	02/02/12		R/J	SW8260
2-Isopropyltoluene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
4-Chlorotoluene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
4-Methyl-2-pentanone	ND	27	ug/Kg	02/02/12		R/J	SW8260
Acetone	ND	110	ug/Kg	02/02/12		R/J	SW8260
Acrylonitrile	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Benzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Bromobenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-18 (1-2)

Phoenix I.D.: BB39247

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Bromodichloromethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Bromoform	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Bromomethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Carbon Disulfide	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Carbon tetrachloride	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Chlorobenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Chloroethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Chloroform	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Chloromethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Dibromochloromethane	ND	3.3	ug/Kg	02/02/12		R/J	SW8260
Dibromoethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Dibromomethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Ethylbenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Hexachlorobutadiene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Isopropylbenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
m&p-Xylene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Methyl Ethyl Ketone	ND	33	ug/Kg	02/02/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	02/02/12		R/J	SW8260
Methylene chloride	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Naphthalene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
n-Butylbenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
n-Propylbenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
o-Xylene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
p-Isopropyltoluene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
sec-Butylbenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Styrene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
tert-Butylbenzene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Tetrachloroethene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	02/02/12		R/J	SW8260
Toluene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Total Xylenes	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	02/02/12		R/J	SW8260
Trichloroethene	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Trichlorofluoromethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
Vinyl chloride	ND	5.4	ug/Kg	02/02/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	02/02/12		R/J	70 - 130 %
% Bromofluorobenzene	94		%	02/02/12		R/J	70 - 130 %
% Dibromofluoromethane	97		%	02/02/12		R/J	70 - 130 %
% Toluene-d8	96		%	02/02/12		R/J	70 - 130 %
Polynuclear Aromatic HC							
2-Methylnaphthalene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Acenaphthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-18 (1-2)

Phoenix I.D.: BB39247

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Chrysene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Fluorene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Naphthalene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Phenanthrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	91		%	02/02/12		KCA	30 - 130 %
% Nitrobenzene-d5	92		%	02/02/12		KCA	30 - 130 %
% Terphenyl-d14	82		%	02/02/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/31/12	10:50
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39248

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: SB-20 (1.5-2.5)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	02/02/12		EK	6010/200.7
Arsenic	< 0.73	0.73	mg/Kg	02/02/12		EK	6010/200.7
Barium	70.6	0.37	mg/Kg	02/02/12		EK	6010/200.7
Cadmium	0.64	0.37	mg/Kg	02/02/12		LK	6010/200.7
Chromium	27.8	0.37	mg/Kg	02/02/12		EK	6010/200.7
Mercury	< 0.07	0.07	mg/Kg	02/02/12		RS	SW-7471
Lead	16.7	0.37	mg/Kg	02/02/12		EK	6010/200.7
Selenium	< 1.5	1.5	mg/Kg	02/02/12		EK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	02/06/12		EK	E1312/SW6010
SPLP Barium	0.319	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	02/06/12		EK	E1312/SW6010
SPLP Chromium	0.062	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Mercury	< 0.0010	0.0010	mg/L	02/02/12		RS	1312/SW7471
SPLP Lead	0.159	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	02/06/12		EK	E1312/SW6010
Total Metals Digest	Completed			02/01/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/02/12		D	SW846-3005
Percent Solid	91		%	02/01/12		JL	E160.3
Soil Extraction for PCB	Completed			02/01/12		BB/F	SW3545
Soil Extraction SVOA BN	Completed			02/01/12		RB/R	SW3545
Extraction of CT ETPH	Completed			02/01/12		SS/F	3545
Mercury Digestion	Completed			02/02/12		D	SW7471
SPLP Digestion Mercury	Completed			02/02/12		D	E1312/SW7470
SPLP Extraction for Metals	Completed			02/01/12		D	EPA 1312
Field Extraction	Completed			01/31/12		TRC	SW5035

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-20 (1.5-2.5)

Phoenix I.D.: BB39248

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	11	mg/Kg	02/02/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	02/02/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	75		%	02/02/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1221	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1232	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1242	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1248	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1254	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1260	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1262	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1268	ND	360	ug/Kg	02/02/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	72		%	02/02/12		MH	30 - 150 %
% TCMX	80		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,1,1-Trichloroethane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	2.7	ug/Kg	02/02/12		R/J	SW8260
1,1,2-Trichloroethane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloropropene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichloropropane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichlorobenzene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloroethane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloropropane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichlorobenzene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichloropropane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
1,4-Dichlorobenzene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
2,2-Dichloropropane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
2-Chlorotoluene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
2-Hexanone	ND	23	ug/Kg	02/02/12		R/J	SW8260
2-Isopropyltoluene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
4-Chlorotoluene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
4-Methyl-2-pentanone	ND	23	ug/Kg	02/02/12		R/J	SW8260
Acetone	ND	90	ug/Kg	02/02/12		R/J	SW8260
Acrylonitrile	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Benzene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Bromobenzene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-20 (1.5-2.5)

Phoenix I.D.: BB39248

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Bromodichloromethane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Bromoform	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Bromomethane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Carbon Disulfide	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Carbon tetrachloride	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Chlorobenzene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Chloroethane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Chloroform	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Chloromethane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Dibromochloromethane	ND	2.7	ug/Kg	02/02/12		R/J	SW8260
Dibromoethane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Dibromomethane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Dichlorodifluoromethane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Ethylbenzene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Hexachlorobutadiene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Isopropylbenzene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
m&p-Xylene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	02/02/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	9.0	ug/Kg	02/02/12		R/J	SW8260
Methylene chloride	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Naphthalene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
n-Butylbenzene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
n-Propylbenzene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
o-Xylene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
p-Isopropyltoluene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
sec-Butylbenzene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Styrene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
tert-Butylbenzene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Tetrachloroethene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	9.0	ug/Kg	02/02/12		R/J	SW8260
Toluene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Total Xylenes	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	9.0	ug/Kg	02/02/12		R/J	SW8260
Trichloroethene	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Trichlorofluoromethane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Trichlorotrifluoroethane	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
Vinyl chloride	ND	4.5	ug/Kg	02/02/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	02/02/12		R/J	70 - 130 %
% Bromofluorobenzene	89		%	02/02/12		R/J	70 - 130 %
% Dibromofluoromethane	105		%	02/02/12		R/J	70 - 130 %
% Toluene-d8	98		%	02/02/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Acenaphthene	ND	250	ug/Kg	02/02/12		KCA	SW 8270

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-20 (1.5-2.5)

Phoenix I.D.: BB39248

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Anthracene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Chrysene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Fluoranthene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Fluorene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Naphthalene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Phenanthrene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Pyrene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	86		%	02/02/12		KCA	30 - 130 %
% Nitrobenzene-d5	85		%	02/02/12		KCA	30 - 130 %
% Terphenyl-d14	116		%	02/02/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/31/12	11:30
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39249

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: SB-21 (1-2)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.33	0.33	mg/Kg	02/02/12		EK	6010/200.7
Arsenic	0.88	0.66	mg/Kg	02/02/12		EK	6010/200.7
Barium	83.4	0.33	mg/Kg	02/02/12		EK	6010/200.7
Cadmium	0.75	0.33	mg/Kg	02/02/12		LK	6010/200.7
Chromium	19.7	0.33	mg/Kg	02/02/12		EK	6010/200.7
Mercury	< 0.07	0.07	mg/Kg	02/02/12		RS	SW-7471
Lead	81.7	0.33	mg/Kg	02/02/12		EK	6010/200.7
Selenium	< 1.3	1.3	mg/Kg	02/02/12		EK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Arsenic	0.009	0.004	mg/L	02/06/12		EK	E1312/SW6010
SPLP Barium	0.301	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	02/06/12		EK	E1312/SW6010
SPLP Chromium	0.039	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Mercury	< 0.001	0.001	mg/L	02/02/12		RS	1312/SW7471
SPLP Lead	0.810	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	02/06/12		EK	E1312/SW6010
Total Metals Digest	Completed			02/01/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/02/12		D	SW846-3005
Percent Solid	90		%	02/01/12		JL	E160.3
Soil Extraction for PCB	Completed			02/01/12		BB/F	SW3545
Soil Extraction SVOA BN	Completed			02/01/12		RB/R	SW3545
Extraction of CT ETPH	Completed			02/01/12		SS/F	3545
Mercury Digestion	Completed			02/02/12		D	SW7471
SPLP Digestion Mercury	Completed			02/02/12		D	E1312/SW7470
SPLP Extraction for Metals	Completed			02/01/12		D	EPA 1312
Field Extraction	Completed			01/31/12		TRC	SW5035

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-21 (1-2)

Phoenix I.D.: BB39249

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	11	mg/Kg	02/02/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	02/02/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	95		%	02/02/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1221	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1232	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1242	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1248	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1254	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1260	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1262	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1268	ND	360	ug/Kg	02/02/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	87		%	02/02/12		MH	30 - 150 %
% TCMX	99		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,1,1-Trichloroethane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	2.6	ug/Kg	02/02/12		R/J	SW8260
1,1,2-Trichloroethane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloropropene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichloropropane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichlorobenzene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloroethane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloropropane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichlorobenzene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichloropropane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
1,4-Dichlorobenzene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
2,2-Dichloropropane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
2-Chlorotoluene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
2-Hexanone	ND	21	ug/Kg	02/02/12		R/J	SW8260
2-Isopropyltoluene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
4-Chlorotoluene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
4-Methyl-2-pentanone	ND	21	ug/Kg	02/02/12		R/J	SW8260
Acetone	ND	86	ug/Kg	02/02/12		R/J	SW8260
Acrylonitrile	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Benzene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Bromobenzene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-21 (1-2)

Phoenix I.D.: BB39249

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Bromodichloromethane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Bromoform	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Bromomethane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Carbon Disulfide	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Carbon tetrachloride	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Chlorobenzene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Chloroethane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Chloroform	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Chloromethane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Dibromochloromethane	ND	2.6	ug/Kg	02/02/12		R/J	SW8260
Dibromoethane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Dibromomethane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Dichlorodifluoromethane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Ethylbenzene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Hexachlorobutadiene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Isopropylbenzene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
m&p-Xylene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Methyl Ethyl Ketone	ND	26	ug/Kg	02/02/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	8.6	ug/Kg	02/02/12		R/J	SW8260
Methylene chloride	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Naphthalene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
n-Butylbenzene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
n-Propylbenzene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
o-Xylene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
p-Isopropyltoluene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
sec-Butylbenzene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Styrene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
tert-Butylbenzene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Tetrachloroethene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	8.6	ug/Kg	02/02/12		R/J	SW8260
Toluene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Total Xylenes	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	8.6	ug/Kg	02/02/12		R/J	SW8260
Trichloroethene	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Trichlorofluoromethane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Trichlorotrifluoroethane	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
Vinyl chloride	ND	4.3	ug/Kg	02/02/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	02/02/12		R/J	70 - 130 %
% Bromofluorobenzene	85		%	02/02/12		R/J	70 - 130 %
% Dibromofluoromethane	98		%	02/02/12		R/J	70 - 130 %
% Toluene-d8	95		%	02/02/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Acenaphthene	ND	260	ug/Kg	02/02/12		KCA	SW 8270

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-21 (1-2)

Phoenix I.D.: BB39249

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Anthracene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Chrysene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Fluoranthene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Fluorene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Naphthalene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Phenanthrene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Pyrene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	89		%	02/02/12		KCA	30 - 130 %
% Nitrobenzene-d5	86		%	02/02/12		KCA	30 - 130 %
% Terphenyl-d14	89		%	02/02/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/31/12	11:40
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39250

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: SB-21 (10-12)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	02/02/12		EK	6010/200.7
Arsenic	< 0.68	0.68	mg/Kg	02/02/12		EK	6010/200.7
Barium	33.0	0.34	mg/Kg	02/02/12		EK	6010/200.7
Cadmium	< 0.34	0.34	mg/Kg	02/02/12		LK	6010/200.7
Chromium	11.4	0.34	mg/Kg	02/02/12		EK	6010/200.7
Mercury	< 0.07	0.07	mg/Kg	02/02/12		RS	SW-7471
Lead	3.29	0.34	mg/Kg	02/02/12		EK	6010/200.7
Selenium	< 1.4	1.4	mg/Kg	02/02/12		EK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	02/06/12		EK	E1312/SW6010
SPLP Barium	< 0.010	0.010	mg/L	02/02/12		EK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	02/03/12		EK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	02/02/12		RS	1312/SW7471
SPLP Lead	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	02/06/12		EK	E1312/SW6010
Total Metals Digest	Completed			02/01/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/02/12		D	SW846-3005
Percent Solid	97		%	02/01/12		JL	E160.3
Soil Extraction for PCB	Completed			02/01/12		BB/F	SW3545
Soil Extraction SVOA BN	Completed			02/01/12		RB/R	SW3545
Extraction of CT ETPH	Completed			02/01/12		SS/F	3545
Mercury Digestion	Completed			02/02/12		D	SW7471
SPLP Digestion Mercury	Completed			02/02/12		D	E1312/SW7470
SPLP Extraction for Metals	Completed			02/01/12		D	EPA 1312
Field Extraction	Completed			01/31/12		TRC	SW5035

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-21 (10-12)

Phoenix I.D.: BB39250

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	02/02/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	02/02/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	75		%	02/02/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1221	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1232	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1242	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1248	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1254	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1260	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1262	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1268	ND	340	ug/Kg	02/02/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	86		%	02/02/12		MH	30 - 150 %
% TCMX	95		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,1,1-Trichloroethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	2.8	ug/Kg	02/02/12		R/J	SW8260
1,1,2-Trichloroethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloropropene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichloropropane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichlorobenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloroethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloropropane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichlorobenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichloropropane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
1,4-Dichlorobenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
2,2-Dichloropropane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
2-Chlorotoluene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
2-Hexanone	ND	23	ug/Kg	02/02/12		R/J	SW8260
2-Isopropyltoluene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
4-Chlorotoluene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
4-Methyl-2-pentanone	ND	23	ug/Kg	02/02/12		R/J	SW8260
Acetone	ND	93	ug/Kg	02/02/12		R/J	SW8260
Acrylonitrile	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Benzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Bromobenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-21 (10-12)

Phoenix I.D.: BB39250

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Bromodichloromethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Bromoform	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Bromomethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Carbon Disulfide	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Carbon tetrachloride	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Chlorobenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Chloroethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Chloroform	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Chloromethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Dibromochloromethane	ND	2.8	ug/Kg	02/02/12		R/J	SW8260
Dibromoethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Dibromomethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Dichlorodifluoromethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Ethylbenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Hexachlorobutadiene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Isopropylbenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
m&p-Xylene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Methyl Ethyl Ketone	ND	28	ug/Kg	02/02/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	9.3	ug/Kg	02/02/12		R/J	SW8260
Methylene chloride	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Naphthalene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
n-Butylbenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
n-Propylbenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
o-Xylene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
p-Isopropyltoluene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
sec-Butylbenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Styrene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
tert-Butylbenzene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Tetrachloroethene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	9.3	ug/Kg	02/02/12		R/J	SW8260
Toluene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Total Xylenes	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	9.3	ug/Kg	02/02/12		R/J	SW8260
Trichloroethene	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Trichlorofluoromethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Trichlorotrifluoroethane	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
Vinyl chloride	ND	4.6	ug/Kg	02/02/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	02/02/12		R/J	70 - 130 %
% Bromofluorobenzene	96		%	02/02/12		R/J	70 - 130 %
% Dibromofluoromethane	107		%	02/02/12		R/J	70 - 130 %
% Toluene-d8	98		%	02/02/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Acenaphthene	ND	240	ug/Kg	02/01/12		KCA	SW 8270

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-21 (10-12)

Phoenix I.D.: BB39250

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Anthracene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Chrysene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Fluoranthene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Fluorene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Naphthalene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Phenanthrene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
Pyrene	ND	240	ug/Kg	02/01/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	69		%	02/01/12		KCA	30 - 130 %
% Nitrobenzene-d5	69		%	02/01/12		KCA	30 - 130 %
% Terphenyl-d14	89		%	02/01/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/31/12	11:50
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39251

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: SB-27 (1-2)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	02/02/12		EK	6010/200.7
Arsenic	0.84	0.67	mg/Kg	02/02/12		EK	6010/200.7
Barium	88.7	0.34	mg/Kg	02/02/12		EK	6010/200.7
Cadmium	0.66	0.34	mg/Kg	02/02/12		LK	6010/200.7
Chromium	22.5	0.34	mg/Kg	02/02/12		EK	6010/200.7
Mercury	0.11	0.07	mg/Kg	02/02/12		RS	SW-7471
Lead	65.7	0.34	mg/Kg	02/02/12		EK	6010/200.7
Selenium	< 1.3	1.3	mg/Kg	02/02/12		EK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	02/06/12		EK	E1312/SW6010
SPLP Barium	0.101	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	02/06/12		EK	E1312/SW6010
SPLP Chromium	0.012	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	02/02/12		RS	1312/SW7471
SPLP Lead	0.275	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	02/06/12		EK	E1312/SW6010
Total Metals Digest	Completed			02/01/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/02/12		D	SW846-3005
Percent Solid	91		%	02/01/12		JL	E160.3
Soil Extraction for PCB	Completed			02/01/12		BB/F	SW3545
Soil Extraction SVOA BN	Completed			02/01/12		RB/R	SW3545
Extraction of CT ETPH	Completed			02/01/12		SS/F	3545
Mercury Digestion	Completed			02/02/12		D	SW7471
SPLP Digestion Mercury	Completed			02/02/12		D	E1312/SW7470
SPLP Extraction for Metals	Completed			02/01/12		D	EPA 1312
Field Extraction	Completed			01/31/12		TRC	SW5035

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-27 (1-2)

Phoenix I.D.: BB39251

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	11	mg/Kg	02/02/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	02/02/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	58		%	02/02/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1221	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1232	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1242	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1248	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1254	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1260	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1262	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1268	ND	360	ug/Kg	02/02/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	90		%	02/02/12		MH	30 - 150 %
% TCMX	99		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,1,1-Trichloroethane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	2.6	ug/Kg	02/02/12		R/J	SW8260
1,1,2-Trichloroethane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloropropene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichloropropane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichlorobenzene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloroethane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloropropane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichlorobenzene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichloropropane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
1,4-Dichlorobenzene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
2,2-Dichloropropane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
2-Chlorotoluene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
2-Hexanone	ND	22	ug/Kg	02/02/12		R/J	SW8260
2-Isopropyltoluene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
4-Chlorotoluene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
4-Methyl-2-pentanone	ND	22	ug/Kg	02/02/12		R/J	SW8260
Acetone	ND	88	ug/Kg	02/02/12		R/J	SW8260
Acrylonitrile	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Benzene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Bromobenzene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-27 (1-2)

Phoenix I.D.: BB39251

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Bromodichloromethane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Bromoform	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Bromomethane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Carbon Disulfide	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Carbon tetrachloride	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Chlorobenzene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Chloroethane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Chloroform	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Chloromethane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Dibromochloromethane	ND	2.6	ug/Kg	02/02/12		R/J	SW8260
Dibromoethane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Dibromomethane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Dichlorodifluoromethane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Ethylbenzene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Hexachlorobutadiene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Isopropylbenzene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
m&p-Xylene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Methyl Ethyl Ketone	ND	26	ug/Kg	02/02/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	8.8	ug/Kg	02/02/12		R/J	SW8260
Methylene chloride	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Naphthalene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
n-Butylbenzene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
n-Propylbenzene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
o-Xylene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
p-Isopropyltoluene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
sec-Butylbenzene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Styrene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
tert-Butylbenzene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Tetrachloroethene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	8.8	ug/Kg	02/02/12		R/J	SW8260
Toluene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Total Xylenes	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	8.8	ug/Kg	02/02/12		R/J	SW8260
Trichloroethene	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Trichlorofluoromethane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Trichlorotrifluoroethane	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
Vinyl chloride	ND	4.4	ug/Kg	02/02/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	02/02/12		R/J	70 - 130 %
% Bromofluorobenzene	86		%	02/02/12		R/J	70 - 130 %
% Dibromofluoromethane	102		%	02/02/12		R/J	70 - 130 %
% Toluene-d8	96		%	02/02/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Acenaphthene	ND	250	ug/Kg	02/02/12		KCA	SW 8270

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-27 (1-2)

Phoenix I.D.: BB39251

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Anthracene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Chrysene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Fluoranthene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Fluorene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Naphthalene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Phenanthrene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Pyrene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	85		%	02/02/12		KCA	30 - 130 %
% Nitrobenzene-d5	84		%	02/02/12		KCA	30 - 130 %
% Terphenyl-d14	73		%	02/02/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/31/12	12:05
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39252

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: SB-22 (1-2)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	02/02/12		EK	6010/200.7
Arsenic	0.89	0.68	mg/Kg	02/02/12		EK	6010/200.7
Barium	36.8	0.34	mg/Kg	02/02/12		EK	6010/200.7
Cadmium	0.46	0.34	mg/Kg	02/02/12		LK	6010/200.7
Chromium	15.0	0.34	mg/Kg	02/02/12		EK	6010/200.7
Mercury	< 0.07	0.07	mg/Kg	02/02/12		RS	SW-7471
Lead	28.5	0.34	mg/Kg	02/02/12		EK	6010/200.7
Selenium	< 1.4	1.4	mg/Kg	02/02/12		EK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	02/06/12		EK	E1312/SW6010
SPLP Barium	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	02/06/12		EK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	02/02/12		RS	1312/SW7471
SPLP Lead	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	02/06/12		EK	E1312/SW6010
Total Metals Digest	Completed			02/01/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/02/12		D	SW846-3005
Percent Solid	93		%	02/01/12		JL	E160.3
Soil Extraction for PCB	Completed			02/01/12		BB/F	SW3545
Soil Extraction SVOA BN	Completed			02/01/12		RB/R	SW3545
Extraction of CT ETPH	Completed			02/03/12		BS/D	3545
Mercury Digestion	Completed			02/02/12		D	SW7471
SPLP Digestion Mercury	Completed			02/02/12		D	E1312/SW7470
SPLP Extraction for Metals	Completed			02/01/12		D	EPA 1312
Field Extraction	Completed			01/31/12		TRC	SW5035

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-22 (1-2)

Phoenix I.D.: BB39252

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	11	mg/Kg	02/05/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	02/05/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	77		%	02/05/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1221	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1232	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1242	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1248	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1254	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1260	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1262	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1268	ND	360	ug/Kg	02/02/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	80		%	02/02/12		MH	30 - 150 %
% TCMX	94		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,1,1-Trichloroethane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	02/02/12		R/J	SW8260
1,1,2-Trichloroethane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloropropene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichloropropane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichlorobenzene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloroethane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloropropane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichlorobenzene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichloropropane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
1,4-Dichlorobenzene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
2,2-Dichloropropane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
2-Chlorotoluene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
2-Hexanone	ND	25	ug/Kg	02/02/12		R/J	SW8260
2-Isopropyltoluene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
4-Chlorotoluene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
4-Methyl-2-pentanone	ND	25	ug/Kg	02/02/12		R/J	SW8260
Acetone	ND	99	ug/Kg	02/02/12		R/J	SW8260
Acrylonitrile	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Benzene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Bromobenzene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-22 (1-2)

Phoenix I.D.: BB39252

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Bromodichloromethane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Bromoform	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Bromomethane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Carbon Disulfide	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Carbon tetrachloride	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Chlorobenzene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Chloroethane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Chloroform	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Chloromethane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Dibromochloromethane	ND	3.0	ug/Kg	02/02/12		R/J	SW8260
Dibromoethane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Dibromomethane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Dichlorodifluoromethane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Ethylbenzene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Hexachlorobutadiene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Isopropylbenzene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
m&p-Xylene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	02/02/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	9.9	ug/Kg	02/02/12		R/J	SW8260
Methylene chloride	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Naphthalene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
n-Butylbenzene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
n-Propylbenzene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
o-Xylene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
p-Isopropyltoluene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
sec-Butylbenzene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Styrene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
tert-Butylbenzene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Tetrachloroethene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	9.9	ug/Kg	02/02/12		R/J	SW8260
Toluene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Total Xylenes	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	9.9	ug/Kg	02/02/12		R/J	SW8260
Trichloroethene	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Trichlorofluoromethane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Trichlorotrifluoroethane	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
Vinyl chloride	ND	4.9	ug/Kg	02/02/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	02/02/12		R/J	70 - 130 %
% Bromofluorobenzene	95		%	02/02/12		R/J	70 - 130 %
% Dibromofluoromethane	111		%	02/02/12		R/J	70 - 130 %
% Toluene-d8	97		%	02/02/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Acenaphthene	ND	250	ug/Kg	02/02/12		KCA	SW 8270

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-22 (1-2)

Phoenix I.D.: BB39252

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Anthracene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Chrysene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Fluoranthene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Fluorene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Naphthalene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Phenanthrene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
Pyrene	ND	250	ug/Kg	02/02/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	90		%	02/02/12		KCA	30 - 130 %
% Nitrobenzene-d5	87		%	02/02/12		KCA	30 - 130 %
% Terphenyl-d14	116		%	02/02/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/31/12	12:10
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39253

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: SB-23 (2-3)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	02/02/12		EK	6010/200.7
Arsenic	1.29	0.73	mg/Kg	02/02/12		EK	6010/200.7
Barium	68.4	0.36	mg/Kg	02/02/12		EK	6010/200.7
Cadmium	0.82	0.36	mg/Kg	02/02/12		LK	6010/200.7
Chromium	21.9	0.36	mg/Kg	02/02/12		EK	6010/200.7
Mercury	5.10	0.08	mg/Kg	02/02/12		RS	SW-7471
Lead	123	0.36	mg/Kg	02/02/12		EK	6010/200.7
Selenium	< 1.5	1.5	mg/Kg	02/02/12		EK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	02/06/12		EK	E1312/SW6010
SPLP Barium	0.112	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	02/06/12		EK	E1312/SW6010
SPLP Chromium	0.021	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Mercury	0.0175	0.0008	mg/L	02/02/12		RS	1312/SW7471
SPLP Lead	0.237	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	02/06/12		EK	E1312/SW6010
Total Metals Digest	Completed			02/01/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/02/12		D	SW846-3005
Percent Solid	86		%	02/01/12		JL	E160.3
Soil Extraction for PCB	Completed			02/01/12		BB/F	SW3545
Soil Extraction SVOA BN	Completed			02/01/12		RB/R	SW3545
Extraction of CT ETPH	Completed			02/01/12		SS/F	3545
Mercury Digestion	Completed			02/02/12		D	SW7471
SPLP Digestion Mercury	Completed			02/02/12		D	E1312/SW7470
SPLP Extraction for Metals	Completed			02/01/12		D	EPA 1312
Field Extraction	Completed			01/31/12		TRC	SW5035

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-23 (2-3)

Phoenix I.D.: BB39253

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	11	mg/Kg	02/02/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	02/02/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	96		%	02/02/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	02/02/12		MH	SW 8082
PCB-1221	ND	380	ug/Kg	02/02/12		MH	SW 8082
PCB-1232	ND	380	ug/Kg	02/02/12		MH	SW 8082
PCB-1242	ND	380	ug/Kg	02/02/12		MH	SW 8082
PCB-1248	ND	380	ug/Kg	02/02/12		MH	SW 8082
PCB-1254	ND	380	ug/Kg	02/02/12		MH	SW 8082
PCB-1260	ND	380	ug/Kg	02/02/12		MH	SW 8082
PCB-1262	ND	380	ug/Kg	02/02/12		MH	SW 8082
PCB-1268	ND	380	ug/Kg	02/02/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	84		%	02/02/12		MH	30 - 150 %
% TCMX	98		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,1,1-Trichloroethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	2.8	ug/Kg	02/02/12		R/J	SW8260
1,1,2-Trichloroethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloropropene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichloropropane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichlorobenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloroethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloropropane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichlorobenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichloropropane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,4-Dichlorobenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
2,2-Dichloropropane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
2-Chlorotoluene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
2-Hexanone	ND	23	ug/Kg	02/02/12		R/J	SW8260
2-Isopropyltoluene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
4-Chlorotoluene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
4-Methyl-2-pentanone	ND	23	ug/Kg	02/02/12		R/J	SW8260
Acetone	ND	93	ug/Kg	02/02/12		R/J	SW8260
Acrylonitrile	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Benzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Bromobenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-23 (2-3)

Phoenix I.D.: BB39253

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Bromodichloromethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Bromoform	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Bromomethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Carbon Disulfide	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Carbon tetrachloride	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Chlorobenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Chloroethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Chloroform	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Chloromethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Dibromochloromethane	ND	2.8	ug/Kg	02/02/12		R/J	SW8260
Dibromoethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Dibromomethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Dichlorodifluoromethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Ethylbenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Hexachlorobutadiene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Isopropylbenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
m&p-Xylene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Methyl Ethyl Ketone	ND	28	ug/Kg	02/02/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	9.3	ug/Kg	02/02/12		R/J	SW8260
Methylene chloride	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Naphthalene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
n-Butylbenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
n-Propylbenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
o-Xylene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
p-Isopropyltoluene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
sec-Butylbenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Styrene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
tert-Butylbenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Tetrachloroethene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	9.3	ug/Kg	02/02/12		R/J	SW8260
Toluene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Total Xylenes	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	9.3	ug/Kg	02/02/12		R/J	SW8260
Trichloroethene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Trichlorofluoromethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Trichlorotrifluoroethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Vinyl chloride	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	02/02/12		R/J	70 - 130 %
% Bromofluorobenzene	94		%	02/02/12		R/J	70 - 130 %
% Dibromofluoromethane	99		%	02/02/12		R/J	70 - 130 %
% Toluene-d8	97		%	02/02/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Acenaphthene	ND	260	ug/Kg	02/02/12		KCA	SW 8270

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-23 (2-3)

Phoenix I.D.: BB39253

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Anthracene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Chrysene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Fluoranthene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Fluorene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Naphthalene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Phenanthrene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Pyrene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	79		%	02/02/12		KCA	30 - 130 %
% Nitrobenzene-d5	80		%	02/02/12		KCA	30 - 130 %
% Terphenyl-d14	103		%	02/02/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/31/12	12:15
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39254

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: SB-24 (1-2)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	02/03/12		LK	6010/200.7
Arsenic	0.82	0.67	mg/Kg	02/03/12		LK	6010/200.7
Barium	78.1	0.34	mg/Kg	02/03/12		LK	6010/200.7
Cadmium	0.65	0.34	mg/Kg	02/03/12		LK	6010/200.7
Chromium	29.3	0.34	mg/Kg	02/03/12		LK	6010/200.7
Mercury	< 0.06	0.06	mg/Kg	02/02/12		RS	SW-7471
Lead	31.6	0.34	mg/Kg	02/03/12		LK	6010/200.7
Selenium	< 1.3	1.3	mg/Kg	02/03/12		LK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	02/06/12		EK	E1312/SW6010
SPLP Barium	0.031	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	02/06/12		EK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	02/02/12		RS	1312/SW7471
SPLP Lead	0.036	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	02/06/12		EK	E1312/SW6010
Total Metals Digest	Completed			02/02/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/02/12		D	SW846-3005
Percent Solid	91		%	02/01/12		JL	E160.3
Soil Extraction for PCB	Completed			02/01/12		BB/F	SW3545
Soil Extraction SVOA BN	Completed			02/01/12		RB/R	SW3545
Extraction of CT ETPH	Completed			02/01/12		SS/F	3545
Mercury Digestion	Completed			02/02/12		D	SW7471
SPLP Digestion Mercury	Completed			02/02/12		D	E1312/SW7470
SPLP Extraction for Metals	Completed			02/01/12		D	EPA 1312
Field Extraction	Completed			01/31/12		TRC	SW5035

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-24 (1-2)

Phoenix I.D.: BB39254

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	12	11	mg/Kg	02/02/12		JRB	CT ETPH/8015
Identification	**		mg/Kg	02/02/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	78		%	02/02/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1221	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1232	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1242	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1248	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1254	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1260	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1262	ND	360	ug/Kg	02/02/12		MH	SW 8082
PCB-1268	ND	360	ug/Kg	02/02/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	95		%	02/02/12		MH	30 - 150 %
% TCMX	108		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,1,1-Trichloroethane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.7	ug/Kg	02/02/12		R/J	SW8260
1,1,2-Trichloroethane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloropropene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichloropropane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichlorobenzene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloroethane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloropropane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichlorobenzene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichloropropane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
1,4-Dichlorobenzene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
2,2-Dichloropropane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
2-Chlorotoluene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
2-Hexanone	ND	30	ug/Kg	02/02/12		R/J	SW8260
2-Isopropyltoluene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
4-Chlorotoluene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
4-Methyl-2-pentanone	ND	30	ug/Kg	02/02/12		R/J	SW8260
Acetone	ND	120	ug/Kg	02/02/12		R/J	SW8260
Acrylonitrile	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Benzene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Bromobenzene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-24 (1-2)

Phoenix I.D.: BB39254

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Bromodichloromethane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Bromoform	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Bromomethane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Carbon Disulfide	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Carbon tetrachloride	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Chlorobenzene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Chloroethane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Chloroform	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Chloromethane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Dibromochloromethane	ND	3.7	ug/Kg	02/02/12		R/J	SW8260
Dibromoethane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Dibromomethane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Dichlorodifluoromethane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Ethylbenzene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Hexachlorobutadiene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Isopropylbenzene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
m&p-Xylene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Methyl Ethyl Ketone	ND	37	ug/Kg	02/02/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	02/02/12		R/J	SW8260
Methylene chloride	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Naphthalene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
n-Butylbenzene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
n-Propylbenzene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
o-Xylene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
p-Isopropyltoluene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
sec-Butylbenzene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Styrene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
tert-Butylbenzene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Tetrachloroethene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	02/02/12		R/J	SW8260
Toluene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Total Xylenes	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	02/02/12		R/J	SW8260
Trichloroethene	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Trichlorofluoromethane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Trichlorotrifluoroethane	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
Vinyl chloride	ND	6.1	ug/Kg	02/02/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	02/02/12		R/J	70 - 130 %
% Bromofluorobenzene	84		%	02/02/12		R/J	70 - 130 %
% Dibromofluoromethane	108		%	02/02/12		R/J	70 - 130 %
% Toluene-d8	95		%	02/02/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Acenaphthene	ND	260	ug/Kg	02/02/12		KCA	SW 8270

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-24 (1-2)

Phoenix I.D.: BB39254

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Anthracene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Chrysene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Fluoranthene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Fluorene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Naphthalene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Phenanthrene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
Pyrene	ND	260	ug/Kg	02/02/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	91		%	02/02/12		KCA	30 - 130 %
% Nitrobenzene-d5	90		%	02/02/12		KCA	30 - 130 %
% Terphenyl-d14	117		%	02/02/12		KCA	30 - 130 %

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards,
but contains a distribution in the C9 to C24 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/31/12	12:40
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39255

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: SB-25 (1.5-2.5)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.33	0.33	mg/Kg	02/03/12		LK	6010/200.7
Arsenic	< 0.67	0.67	mg/Kg	02/03/12		LK	6010/200.7
Barium	33.8	0.33	mg/Kg	02/03/12		LK	6010/200.7
Cadmium	0.36	0.33	mg/Kg	02/03/12		LK	6010/200.7
Chromium	17.3	0.33	mg/Kg	02/03/12		LK	6010/200.7
Mercury	< 0.07	0.07	mg/Kg	02/02/12		RS	SW-7471
Lead	4.34	0.33	mg/Kg	02/03/12		LK	6010/200.7
Selenium	< 1.3	1.3	mg/Kg	02/03/12		LK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	02/06/12		EK	E1312/SW6010
SPLP Barium	0.035	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	02/06/12		EK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	02/02/12		RS	1312/SW7471
SPLP Lead	< 0.010	0.010	mg/L	02/06/12		EK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	02/06/12		EK	E1312/SW6010
Total Metals Digest	Completed			02/02/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/02/12		D	SW846-3005
Percent Solid	96		%	02/01/12		JL	E160.3
Soil Extraction for PCB	Completed			02/01/12		BB/F	SW3545
Soil Extraction SVOA BN	Completed			02/01/12		RB/R	SW3545
Extraction of CT ETPH	Completed			02/03/12		BS/D	3545
Mercury Digestion	Completed			02/02/12		D	SW7471
SPLP Digestion Mercury	Completed			02/02/12		D	E1312/SW7470
SPLP Extraction for Metals	Completed			02/01/12		D	EPA 1312
Field Extraction	Completed			01/31/12		TRC	SW5035

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-25 (1.5-2.5)

Phoenix I.D.: BB39255

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	02/05/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	02/05/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	86		%	02/05/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1221	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1232	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1242	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1248	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1254	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1260	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1262	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1268	ND	340	ug/Kg	02/02/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	82		%	02/02/12		MH	30 - 150 %
% TCMX	94		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,1,1-Trichloroethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	02/02/12		R/J	SW8260
1,1,2-Trichloroethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloropropene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichloropropane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloroethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloropropane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichloropropane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
2,2-Dichloropropane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
2-Chlorotoluene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
2-Hexanone	ND	25	ug/Kg	02/02/12		R/J	SW8260
2-Isopropyltoluene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
4-Chlorotoluene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
4-Methyl-2-pentanone	ND	25	ug/Kg	02/02/12		R/J	SW8260
Acetone	ND	100	ug/Kg	02/02/12		R/J	SW8260
Acrylonitrile	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Benzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Bromobenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-25 (1.5-2.5)

Phoenix I.D.: BB39255

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Bromodichloromethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Bromoform	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Bromomethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Carbon tetrachloride	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Chlorobenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Chloroethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Chloroform	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Chloromethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Dibromochloromethane	ND	3.0	ug/Kg	02/02/12		R/J	SW8260
Dibromoethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Dibromomethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Ethylbenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Hexachlorobutadiene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Isopropylbenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
m&p-Xylene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	02/02/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	02/02/12		R/J	SW8260
Methylene chloride	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Naphthalene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
n-Butylbenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
n-Propylbenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
o-Xylene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
p-Isopropyltoluene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
sec-Butylbenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Styrene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
tert-Butylbenzene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Tetrachloroethene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	02/02/12		R/J	SW8260
Toluene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Total Xylenes	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	02/02/12		R/J	SW8260
Trichloroethene	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Trichlorofluoromethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
Vinyl chloride	ND	5.0	ug/Kg	02/02/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	02/02/12		R/J	70 - 130 %
% Bromofluorobenzene	96		%	02/02/12		R/J	70 - 130 %
% Dibromofluoromethane	95		%	02/02/12		R/J	70 - 130 %
% Toluene-d8	97		%	02/02/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Acenaphthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-25 (1.5-2.5)

Phoenix I.D.: BB39255

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Chrysene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Fluorene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Naphthalene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Phenanthrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	83		%	02/02/12		KCA	30 - 130 %
% Nitrobenzene-d5	82		%	02/02/12		KCA	30 - 130 %
% Terphenyl-d14	80		%	02/02/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/31/12	13:10
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39256

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: SB-26 (0-2)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.33	0.33	mg/Kg	02/03/12		LK	6010/200.7
Arsenic	0.91	0.67	mg/Kg	02/03/12		LK	6010/200.7
Barium	43.6	0.33	mg/Kg	02/03/12		LK	6010/200.7
Cadmium	0.50	0.33	mg/Kg	02/03/12		LK	6010/200.7
Chromium	17.8	0.33	mg/Kg	02/03/12		LK	6010/200.7
Mercury	< 0.06	0.06	mg/Kg	02/02/12		RS	SW-7471
Lead	43.3	0.33	mg/Kg	02/03/12		LK	6010/200.7
Selenium	< 1.3	1.3	mg/Kg	02/03/12		LK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	02/06/12		LK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	02/06/12		LK	E1312/SW6010
SPLP Barium	0.029	0.010	mg/L	02/06/12		LK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	02/06/12		LK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	02/06/12		LK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	02/02/12		RS	1312/SW7471
SPLP Lead	0.031	0.010	mg/L	02/06/12		LK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	02/06/12		LK	E1312/SW6010
Total Metals Digest	Completed			02/02/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/02/12		D	SW846-3005
Percent Solid	96		%	02/01/12		JL	E160.3
Soil Extraction for PCB	Completed			02/01/12		BB/F	SW3545
Soil Extraction SVOA BN	Completed			02/01/12		RB/R	SW3545
Extraction of CT ETPH	Completed			02/01/12		SS/F	3545
Mercury Digestion	Completed			02/02/12		D	SW7471
SPLP Digestion Mercury	Completed			02/02/12		D	E1312/SW7470
SPLP Extraction for Metals	Completed			02/01/12		D	EPA 1312
Field Extraction	Completed			01/31/12		TRC	SW5035

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-26 (0-2)

Phoenix I.D.: BB39256

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	02/02/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	02/02/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	70		%	02/02/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1221	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1232	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1242	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1248	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1254	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1260	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1262	ND	350	ug/Kg	02/02/12		MH	SW 8082
PCB-1268	ND	350	ug/Kg	02/02/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	58		%	02/02/12		MH	30 - 150 %
% TCMX	67		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,1,1-Trichloroethane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	2.5	ug/Kg	02/02/12		R/J	SW8260
1,1,2-Trichloroethane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloropropene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichloropropane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichlorobenzene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloroethane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloropropane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichlorobenzene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichloropropane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
1,4-Dichlorobenzene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
2,2-Dichloropropane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
2-Chlorotoluene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
2-Hexanone	ND	21	ug/Kg	02/02/12		R/J	SW8260
2-Isopropyltoluene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
4-Chlorotoluene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
4-Methyl-2-pentanone	ND	21	ug/Kg	02/02/12		R/J	SW8260
Acetone	ND	82	ug/Kg	02/02/12		R/J	SW8260
Acrylonitrile	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Benzene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Bromobenzene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-26 (0-2)

Phoenix I.D.: BB39256

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Bromodichloromethane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Bromoform	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Bromomethane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Carbon Disulfide	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Carbon tetrachloride	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Chlorobenzene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Chloroethane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Chloroform	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Chloromethane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Dibromochloromethane	ND	2.5	ug/Kg	02/02/12		R/J	SW8260
Dibromoethane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Dibromomethane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Dichlorodifluoromethane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Ethylbenzene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Hexachlorobutadiene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Isopropylbenzene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
m&p-Xylene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Methyl Ethyl Ketone	ND	25	ug/Kg	02/02/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	8.2	ug/Kg	02/02/12		R/J	SW8260
Methylene chloride	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Naphthalene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
n-Butylbenzene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
n-Propylbenzene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
o-Xylene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
p-Isopropyltoluene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
sec-Butylbenzene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Styrene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
tert-Butylbenzene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Tetrachloroethene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	8.2	ug/Kg	02/02/12		R/J	SW8260
Toluene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Total Xylenes	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	8.2	ug/Kg	02/02/12		R/J	SW8260
Trichloroethene	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Trichlorofluoromethane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Trichlorotrifluoroethane	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
Vinyl chloride	ND	4.1	ug/Kg	02/02/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	02/02/12		R/J	70 - 130 %
% Bromofluorobenzene	89		%	02/02/12		R/J	70 - 130 %
% Dibromofluoromethane	104		%	02/02/12		R/J	70 - 130 %
% Toluene-d8	95		%	02/02/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Acenaphthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-26 (0-2)

Phoenix I.D.: BB39256

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Chrysene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Fluoranthene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Fluorene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Naphthalene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Phenanthrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
Pyrene	ND	240	ug/Kg	02/02/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	86		%	02/02/12		KCA	30 - 130 %
% Nitrobenzene-d5	84		%	02/02/12		KCA	30 - 130 %
% Terphenyl-d14	77		%	02/02/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/31/12	13:20
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39257

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: SB-26 (10-12)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	02/03/12		LK	6010/200.7
Arsenic	< 0.71	0.71	mg/Kg	02/03/12		LK	6010/200.7
Barium	168	0.35	mg/Kg	02/03/12		LK	6010/200.7
Cadmium	0.74	0.35	mg/Kg	02/03/12		LK	6010/200.7
Chromium	34.8	0.35	mg/Kg	02/03/12		LK	6010/200.7
Mercury	< 0.08	0.08	mg/Kg	02/02/12		RS	SW-7471
Lead	1.77	0.35	mg/Kg	02/03/12		LK	6010/200.7
Selenium	< 1.4	1.4	mg/Kg	02/03/12		LK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	02/06/12		LK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	02/06/12		LK	E1312/SW6010
SPLP Barium	0.026	0.010	mg/L	02/06/12		LK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	02/06/12		LK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	02/06/12		LK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	02/02/12		RS	1312/SW7471
SPLP Lead	< 0.010	0.010	mg/L	02/06/12		LK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	02/06/12		LK	E1312/SW6010
Total Metals Digest	Completed			02/02/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/02/12		D	SW846-3005
Percent Solid	98		%	02/01/12		JL	E160.3
Soil Extraction for PCB	Completed			02/01/12		BB/F	SW3545
Soil Extraction SVOA BN	Completed			02/01/12		RB/R	SW3545
Extraction of CT ETPH	Completed			02/01/12		SS/F	3545
Mercury Digestion	Completed			02/02/12		D	SW7471
SPLP Digestion Mercury	Completed			02/02/12		D	E1312/SW7470
SPLP Extraction for Metals	Completed			02/01/12		D	EPA 1312
Field Extraction	Completed			01/31/12		TRC	SW5035

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-26 (10-12)

Phoenix I.D.: BB39257

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	02/02/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	02/02/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	60		%	02/02/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1221	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1232	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1242	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1248	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1254	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1260	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1262	ND	340	ug/Kg	02/02/12		MH	SW 8082
PCB-1268	ND	340	ug/Kg	02/02/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	105		%	02/02/12		MH	30 - 150 %
% TCMX	117		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,1,1-Trichloroethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	2.8	ug/Kg	02/02/12		R/J	SW8260
1,1,2-Trichloroethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloroethene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,1-Dichloropropene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,2,3-Trichloropropane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichlorobenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloroethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,2-Dichloropropane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichlorobenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,3-Dichloropropane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
1,4-Dichlorobenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
2,2-Dichloropropane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
2-Chlorotoluene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
2-Hexanone	ND	24	ug/Kg	02/02/12		R/J	SW8260
2-Isopropyltoluene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
4-Chlorotoluene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
4-Methyl-2-pentanone	ND	24	ug/Kg	02/02/12		R/J	SW8260
Acetone	ND	95	ug/Kg	02/02/12		R/J	SW8260
Acrylonitrile	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Benzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Bromobenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-26 (10-12)

Phoenix I.D.: BB39257

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Bromodichloromethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Bromoform	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Bromomethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Carbon Disulfide	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Carbon tetrachloride	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Chlorobenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Chloroethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Chloroform	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Chloromethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Dibromochloromethane	ND	2.8	ug/Kg	02/02/12		R/J	SW8260
Dibromoethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Dibromomethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Dichlorodifluoromethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Ethylbenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Hexachlorobutadiene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Isopropylbenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
m&p-Xylene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Methyl Ethyl Ketone	ND	28	ug/Kg	02/02/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	9.5	ug/Kg	02/02/12		R/J	SW8260
Methylene chloride	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Naphthalene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
n-Butylbenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
n-Propylbenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
o-Xylene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
p-Isopropyltoluene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
sec-Butylbenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Styrene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
tert-Butylbenzene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Tetrachloroethene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	9.5	ug/Kg	02/02/12		R/J	SW8260
Toluene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Total Xylenes	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	9.5	ug/Kg	02/02/12		R/J	SW8260
Trichloroethene	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Trichlorofluoromethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Trichlorotrifluoroethane	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
Vinyl chloride	ND	4.7	ug/Kg	02/02/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	02/02/12		R/J	70 - 130 %
% Bromofluorobenzene	95		%	02/02/12		R/J	70 - 130 %
% Dibromofluoromethane	96		%	02/02/12		R/J	70 - 130 %
% Toluene-d8	96		%	02/02/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	230	ug/Kg	02/02/12		KCA	SW 8270
Acenaphthene	ND	230	ug/Kg	02/02/12		KCA	SW 8270

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: SB-26 (10-12)

Phoenix I.D.: BB39257

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	230	ug/Kg	02/02/12		KCA	SW 8270
Anthracene	ND	230	ug/Kg	02/02/12		KCA	SW 8270
Benz(a)anthracene	ND	230	ug/Kg	02/02/12		KCA	SW 8270
Benzo(a)pyrene	ND	230	ug/Kg	02/02/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	230	ug/Kg	02/02/12		KCA	SW 8270
Benzo(ghi)perylene	ND	230	ug/Kg	02/02/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	230	ug/Kg	02/02/12		KCA	SW 8270
Chrysene	ND	230	ug/Kg	02/02/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	230	ug/Kg	02/02/12		KCA	SW 8270
Fluoranthene	ND	230	ug/Kg	02/02/12		KCA	SW 8270
Fluorene	ND	230	ug/Kg	02/02/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	230	ug/Kg	02/02/12		KCA	SW 8270
Naphthalene	ND	230	ug/Kg	02/02/12		KCA	SW 8270
Phenanthrene	ND	230	ug/Kg	02/02/12		KCA	SW 8270
Pyrene	ND	230	ug/Kg	02/02/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	83		%	02/02/12		KCA	30 - 130 %
% Nitrobenzene-d5	78		%	02/02/12		KCA	30 - 130 %
% Terphenyl-d14	82		%	02/02/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 10, 2012

FOR: Attn: Mr Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		01/31/12	13:30
Location Code:	TRC	Received by:	SW	02/01/12	16:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB39242
Phoenix ID: BB39258

Project ID: STAMFORD-HOPE STREET ROADS

Client ID: FB013112

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	02/08/12		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	02/02/12		EK	6010/200.7
Barium	< 0.002	0.002	mg/L	02/08/12		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	02/03/12		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	02/08/12		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	02/03/12		RS	7470/E245.1
Lead	< 0.002	0.002	mg/L	02/08/12		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	02/03/12		LK	6010/200.7
Total Metals Digestion	Completed			02/01/12		AG	
Extraction of CT ETPH	Completed			02/01/12		F/K	3510/3520
Mercury Digestion	Completed			02/03/12		D	7471/245.1
PCB Extraction	Completed			02/01/12		L/L	SW3510C
Semi-Volatile Extraction	Completed			02/12/12		F/K	SW3520
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	0.070	mg/L	02/02/12		JRB	CTETPH/8015DRO
Identification	ND		mg/L	02/02/12		JRB	CTETPH/8015DRO
QA/QC Surrogates							
% n-Pentacosane	85		%	02/02/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	0.50	ug/L	02/02/12		MH	608/ 8082
PCB-1221	ND	0.50	ug/L	02/02/12		MH	608/ 8082
PCB-1232	ND	0.50	ug/L	02/02/12		MH	608/ 8082
PCB-1242	ND	0.50	ug/L	02/02/12		MH	608/ 8082
PCB-1248	ND	0.50	ug/L	02/02/12		MH	608/ 8082
PCB-1254	ND	0.50	ug/L	02/02/12		MH	608/ 8082
PCB-1260	ND	0.50	ug/L	02/02/12		MH	608/ 8082

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB-1262	ND	0.50	ug/L	02/02/12		MH	608/ 8082
PCB-1268	ND	0.50	ug/L	02/02/12		MH	608/ 8082
QA/QC Surrogates							
% DCBP	104		%	02/02/12		MH	30 - 150 %
% TCMX	103		%	02/02/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	02/03/12		H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	02/03/12		H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	02/03/12		H/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	02/03/12		H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	02/03/12		H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	02/03/12		H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	02/03/12		H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	02/03/12		H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	02/03/12		H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	02/03/12		H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	02/03/12		H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	02/03/12		H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	02/03/12		H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	02/03/12		H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	02/03/12		H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	02/03/12		H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	02/03/12		H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	02/03/12		H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	02/03/12		H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	02/03/12		H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	02/03/12		H/T	SW8260
2-Hexanone	ND	5.0	ug/L	02/03/12		H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	02/03/12		H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	02/03/12		H/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	02/03/12		H/T	SW8260
Acetone	ND	25	ug/L	02/03/12		H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	02/03/12		H/T	SW8260
Benzene	ND	0.70	ug/L	02/03/12		H/T	SW8260
Bromobenzene	ND	1.0	ug/L	02/03/12		H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	02/03/12		H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	02/03/12		H/T	SW8260
Bromoform	ND	1.0	ug/L	02/03/12		H/T	SW8260
Bromomethane	ND	1.0	ug/L	02/03/12		H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	02/03/12		H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	02/03/12		H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	02/03/12		H/T	SW8260
Chloroethane	ND	1.0	ug/L	02/03/12		H/T	SW8260
Chloroform	ND	1.0	ug/L	02/03/12		H/T	SW8260
Chloromethane	ND	1.0	ug/L	02/03/12		H/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	02/03/12		H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	02/03/12		H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	02/03/12		H/T	SW8260
Dibromoethane	ND	1.0	ug/L	02/03/12		H/T	SW8260
Dibromomethane	ND	1.0	ug/L	02/03/12		H/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Dichlorodifluoromethane	ND	1.0	ug/L	02/03/12		H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	02/03/12		H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	02/03/12		H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	02/03/12		H/T	SW8260
m&p-Xylene	ND	1.0	ug/L	02/03/12		H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	02/03/12		H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	02/03/12		H/T	SW8260
Methylene chloride	ND	1.0	ug/L	02/03/12		H/T	SW8260
Naphthalene	ND	1.0	ug/L	02/03/12		H/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	02/03/12		H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	02/03/12		H/T	SW8260
o-Xylene	ND	1.0	ug/L	02/03/12		H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	02/03/12		H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	02/03/12		H/T	SW8260
Styrene	ND	1.0	ug/L	02/03/12		H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	02/03/12		H/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	02/03/12		H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	02/03/12		H/T	SW8260
Toluene	ND	1.0	ug/L	02/03/12		H/T	SW8260
Total Xylenes	ND	1.0	ug/L	02/03/12		H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	02/03/12		H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	02/03/12		H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	02/03/12		H/T	SW8260
Trichloroethene	ND	1.0	ug/L	02/03/12		H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	02/03/12		H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	02/03/12		H/T	SW8260
Vinyl chloride	ND	1.0	ug/L	02/03/12		H/T	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	02/03/12		H/T	70 - 130 %
% Bromofluorobenzene	90		%	02/03/12		H/T	70 - 130 %
% Dibromofluoromethane	85		%	02/03/12		H/T	70 - 130 %
% Toluene-d8	83		%	02/03/12		H/T	70 - 130 %
Semivolatiles by SIM							
2-Methylnaphthalene	ND	2.5	ug/L	02/02/12		DD	8270(SIM)
Acenaphthene	ND	2.5	ug/L	02/02/12		DD	8270(SIM)
Acenaphthylene	ND	0.30	ug/L	02/02/12		DD	8270(SIM)
Anthracene	ND	2.5	ug/L	02/02/12		DD	8270(SIM)
Benz(a)anthracene	ND	0.020	ug/L	02/02/12		DD	8270(SIM)
Benzo(a)pyrene	ND	0.020	ug/L	02/02/12		DD	8270(SIM)
Benzo(b)fluoranthene	ND	0.020	ug/L	02/02/12		DD	8270(SIM)
Benzo(ghi)perylene	ND	2.5	ug/L	02/02/12		DD	8270(SIM)
Benzo(k)fluoranthene	ND	0.020	ug/L	02/02/12		DD	8270(SIM)
Chrysene	ND	0.020	ug/L	02/02/12		DD	8270(SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	02/02/12		DD	8270(SIM)
Fluoranthene	ND	2.5	ug/L	02/02/12		DD	8270(SIM)
Fluorene	ND	2.5	ug/L	02/02/12		DD	8270(SIM)
Indeno(1,2,3-cd)pyrene	ND	0.020	ug/L	02/02/12		DD	8270(SIM)
Naphthalene	ND	2.5	ug/L	02/02/12		DD	8270(SIM)
Phenanthrene	ND	0.070	ug/L	02/02/12		DD	8270(SIM)
Pyrene	ND	2.5	ug/L	02/02/12		DD	8270(SIM)

Project ID: STAMFORD-HOPE STREET ROADS
Client ID: FB013112

Phoenix I.D.: BB39258

Parameter	Result	RL	Units	Date	Time	By	Reference
QA/QC Surrogates							
% 2-Fluorobiphenyl	75		%	02/02/12		DD	30 - 130 %
% Nitrobenzene-d5	71		%	02/02/12		DD	30 - 130 %
% Terphenyl-d14	114		%	02/02/12		DD	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 10, 2012

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

February 10, 2012

QA/QC Data

SDG I.D.: GBB39242

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 193620, QC Sample No: BB39242 (BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253)													
ICP Metals - Soil													
Arsenic	BDL	<0.69	<0.72	NC	105	108	2.8	94.0	95.1	1.2	75 - 125	30	
Barium	BDL	47.8	40.6	16.3	109	112	2.7	97.4	100	2.6	75 - 125	30	
Cadmium	BDL	1.03	0.85	NC	115	110	4.4	96.7	95.1	1.7	75 - 125	30	
Chromium	BDL	77.6	71.3	8.50	114	120	5.1	75.9	112	38.4	75 - 125	30	r
Lead	BDL	5.44	5.53	1.60	108	116	7.1	94.5	92.2	2.5	75 - 125	30	
Selenium	BDL	<1.4	<1.4	NC	99.6	108	8.1	89.0	89.7	0.8	75 - 125	30	
Silver	BDL	<0.35	<0.36	NC	94.4	91.8	2.8	86.6	87.1	0.6	75 - 125	30	
QA/QC Batch 193674, QC Sample No: BB39244 (BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253, BB39254, BB39255, BB39256, BB39257)													
Mercury - Soil	BDL	<0.06	<0.06	NC	101	96.7	4.4	122	114	6.8	70 - 130	30	
QA/QC Batch 193651, QC Sample No: BB39250 (BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253, BB39254, BB39255, BB39256, BB39257)													
ICP Metals - SPLP Extraction													
Arsenic	BDL	<0.004	<0.004	NC	114	105	8.2	75.3	99.8	28.0	75 - 125	20	r
Barium	BDL	<0.010	<0.010	NC	125	107	15.5	89.3	95.5	6.7	75 - 125	20	
Cadmium	BDL	<0.005	<0.005	NC	120	107	11.5	92.1	99.6	7.8	75 - 125	20	
Chromium	BDL	<0.010	<0.010	NC	119	105	12.5	90.4	97.4	7.5	75 - 125	20	
Lead	BDL	<0.010	<0.010	NC	115	106	8.1	92.3	99.6	7.6	75 - 125	20	
Selenium	BDL	<0.020	<0.020	NC	113	104	8.3	91.3	98.1	7.2	75 - 125	20	
Silver	BDL	<0.010	<0.010	NC	118	104	12.6	76.0	94.6	21.8	75 - 125	20	r
QA/QC Batch 193653, QC Sample No: BB39499 (BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253, BB39254, BB39255, BB39256, BB39257)													
Mercury - Water	BDL	<0.0002	<0.0002	NC	106	110	3.7	109	112	2.7	70 - 130	20	
QA/QC Batch 193637, QC Sample No: BB39510 (BB39258)													
ICP Metals - Aqueous													
Arsenic	BDL	<0.004	<0.004	NC	116	96.0	18.9	116	105	10.0	75 - 125	20	
Barium	BDL	0.009	0.008	NC	114	94.2	19.0	114	102	11.1	75 - 125	20	
Cadmium	BDL	<0.001	<0.001	NC	120	98.5	19.7	116	104	10.9	75 - 125	20	
Chromium	BDL	<0.001	<0.001	NC	115	94.5	19.6	113	102	10.2	75 - 125	20	
Lead	BDL	<0.002	<0.002	NC	118	97.8	18.7	115	103	11.0	75 - 125	20	
Selenium	BDL	<0.010	<0.010	NC	110	92.0	17.8	109	98.7	9.9	75 - 125	20	
Silver	BDL	<0.001	<0.001	NC	110	92.6	17.2	111	99.6	10.8	75 - 125	20	
QA/QC Batch 193700, QC Sample No: BB39538 (BB39254, BB39255, BB39256, BB39257)													
ICP Metals - Soil													
Arsenic	BDL	0.77	<0.63	NC	89.6	86.3	3.8	94.6	94.8	0.2	75 - 125	30	
Barium	BDL	29.2	28.5	2.40	99.9	98.8	1.1	96.4	103	6.6	75 - 125	30	
Cadmium	BDL	<0.31	<0.31	NC	111	115	3.5	98.1	97.9	0.2	75 - 125	30	
Chromium	BDL	5.98	6.06	1.30	105	104	1.0	97.9	98.2	0.3	75 - 125	30	
Lead	BDL	4.94	5.49	10.5	96.9	92.5	4.6	99.7	101	1.3	75 - 125	30	

QA/QC Data

SDG I.D.: GBB39242

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Selenium	BDL	<1.2	<1.3	NC	89.0	89.5	0.6	90.2	90.5	0.3	75 - 125	30
Silver	BDL	<0.31	<0.31	NC	87.3	83.5	4.4	97.0	96.8	0.2	75 - 125	30
QA/QC Batch 193743, QC Sample No: BB39635 (BB39258)												
Mercury - Water	BDL	<0.0002	<0.0002	NC	114	114	0.0	116	115	0.9	70 - 130	20

r = This parameter is outside laboratory rpd specified recovery limits.

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QA/QC Report

February 10, 2012

QA/QC Data

SDG I.D.: GBB39242

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 193382, QC Sample No: BB37488 (BB39258)										
TPH by GC (Extractable Products) - Water										
Ext. Petroleum HC	ND	89	122	31.3	84	90	6.9	50 - 150	20	r
% n-Pentacosane	94	99	135	30.8	95	96	1.0	50 - 150	20	r
QA/QC Batch 193567, QC Sample No: BB38473 (BB39258)										
Polychlorinated Biphenyls - Water										
PCB-1016	ND	94	104	10.1				40 - 140	20	
PCB-1221	ND							40 - 140	20	
PCB-1232	ND							40 - 140	20	
PCB-1242	ND							40 - 140	20	
PCB-1248	ND							40 - 140	20	
PCB-1254	ND							40 - 140	20	
PCB-1260	ND	101	105	3.9				40 - 140	20	
PCB-1262	ND							40 - 140	20	
PCB-1268	ND							40 - 140	20	
% DCBP (Surrogate Rec)	83	84	89	5.8				30 - 150	20	
% TCMX (Surrogate Rec)	94	92	94	2.2				30 - 150	20	

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 193550, QC Sample No: BB38944 (BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253, BB39254, BB39255, BB39256, BB39257)

Polynuclear Aromatic HC - Solid									
2-Methylnaphthalene	ND	77	75	2.6	81	81	0.0	30 - 130	30
Acenaphthene	ND	80	79	1.3	84	84	0.0	30 - 130	30
Acenaphthylene	ND	77	76	1.3	81	81	0.0	30 - 130	30
Anthracene	ND	79	81	2.5	84	86	2.4	30 - 130	30
Benz(a)anthracene	ND	86	87	1.2	89	91	2.2	30 - 130	30
Benzo(a)pyrene	ND	83	84	1.2	87	87	0.0	30 - 130	30
Benzo(b)fluoranthene	ND	92	98	6.3	98	96	2.1	30 - 130	30
Benzo(ghi)perylene	ND	78	72	8.0	79	78	1.3	30 - 130	30
Benzo(k)fluoranthene	ND	94	95	1.1	102	101	1.0	30 - 130	30
Chrysene	ND	81	82	1.2	84	86	2.4	30 - 130	30
Dibenz(a,h)anthracene	ND	77	71	8.1	80	79	1.3	30 - 130	30
Fluoranthene	ND	100	109	8.6	114	115	0.9	30 - 130	30
Fluorene	ND	83	80	3.7	85	85	0.0	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	78	73	6.6	81	79	2.5	30 - 130	30
Naphthalene	ND	73	72	1.4	78	77	1.3	30 - 130	30
Phenanthrene	ND	83	84	1.2	88	88	0.0	30 - 130	30
Pyrene	ND	107	121	12.3	124	128	3.2	30 - 130	30
% 2-Fluorobiphenyl	69	73	74	1.4	79	78	1.3	30 - 130	30
% Nitrobenzene-d5	70	69	68	1.5	74	73	1.4	30 - 130	30
% Terphenyl-d14	75	88	102	14.7	106	107	0.9	30 - 130	30

QA/QC Data

SDG I.D.: GBB39242

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 193551, QC Sample No: BB38986 (BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250)									
TPH by GC (Extractable Products) - Solid									
Ext. Petroleum HC	ND	83	76	8.8	70	78	10.8	50 - 150	30
% n-Pentacosane	95	75	69	8.3	77	79	2.6	50 - 150	30
QA/QC Batch 193622, QC Sample No: BB39219 (BB39258)									
Semivolatiles - Water									
2-Methylnaphthalene	ND	78	79	1.3				30 - 130	20
Acenaphthene	ND	79	79	0.0				30 - 130	20
Acenaphthylene	ND	77	77	0.0				30 - 130	20
Anthracene	ND	81	82	1.2				30 - 130	20
Benz(a)anthracene	ND	93	93	0.0				30 - 130	20
Benzo(a)pyrene	ND	76	78	2.6				30 - 130	20
Benzo(b)fluoranthene	ND	82	82	0.0				30 - 130	20
Benzo(ghi)perylene	ND	78	82	5.0				30 - 130	20
Benzo(k)fluoranthene	ND	83	84	1.2				30 - 130	20
Chrysene	ND	91	92	1.1				30 - 130	20
Dibenz(a,h)anthracene	ND	75	79	5.2				30 - 130	20
Fluoranthene	ND	87	86	1.2				30 - 130	20
Fluorene	ND	79	81	2.5				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	77	80	3.8				30 - 130	20
Naphthalene	ND	75	75	0.0				30 - 130	20
Phenanthrene	ND	84	84	0.0				30 - 130	20
Pyrene	ND	89	89	0.0				30 - 130	20
% 2-Fluorobiphenyl	72	73	70	4.2				30 - 130	20
% Nitrobenzene-d5	64	71	72	1.4				30 - 130	20
% Terphenyl-d14	80	85	83	2.4				30 - 130	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 193785, QC Sample No: BB39243 (BB39243)

Volatiles - Solid

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,1,1,2-Tetrachloroethane	ND	133	133	0.0	122	127	4.0	70 - 130	30
1,1,1-Trichloroethane	ND	113	113	0.0	107	112	4.6	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	105	103	1.9	90	97	7.5	70 - 130	30
1,1,2-Trichloroethane	ND	121	118	2.5	109	116	6.2	70 - 130	30
1,1-Dichloroethane	ND	104	103	1.0	96	100	4.1	70 - 130	30
1,1-Dichloroethene	ND	88	89	1.1	89	93	4.4	70 - 130	30
1,1-Dichloropropene	ND	111	109	1.8	108	117	8.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	117	118	0.9	107	123	13.9	70 - 130	30
1,2,3-Trichloropropane	ND	104	105	1.0	90	96	6.5	70 - 130	30
1,2,4-Trichlorobenzene	ND	111	113	1.8	107	119	10.6	70 - 130	30
1,2,4-Trimethylbenzene	ND	108	108	0.0	103	110	6.6	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	142	142	0.0	106	119	11.6	70 - 130	30
1,2-Dichlorobenzene	ND	107	108	0.9	103	110	6.6	70 - 130	30
1,2-Dichloroethane	ND	116	116	0.0	110	116	5.3	70 - 130	30
1,2-Dichloropropane	ND	98	98	0.0	92	98	6.3	70 - 130	30
1,3,5-Trimethylbenzene	ND	108	110	1.8	102	108	5.7	70 - 130	30
1,3-Dichlorobenzene	ND	110	109	0.9	106	113	6.4	70 - 130	30
1,3-Dichloropropane	ND	110	109	0.9	100	104	3.9	70 - 130	30
1,4-Dichlorobenzene	ND	105	105	0.0	104	111	6.5	70 - 130	30
2,2-Dichloropropane	ND	115	116	0.9	103	108	4.7	70 - 130	30

QA/QC Data

SDG I.D.: GBB39242

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2-Chlorotoluene	ND	110	109	0.9	104	110	5.6	70 - 130	30	
2-Hexanone	ND	101	101	0.0	51	56	9.3	70 - 130	30	m
2-Isopropyltoluene	ND	103	104	1.0	101	108	6.7	70 - 130	30	
4-Chlorotoluene	ND	104	107	2.8	104	111	6.5	70 - 130	30	
4-Methyl-2-pentanone	ND	109	104	4.7	84	91	8.0	70 - 130	30	
Acetone	ND	102	104	1.9	<40	<40	NC	70 - 130	30	m
Acrylonitrile	ND	100	99	1.0	86	91	5.6	70 - 130	30	
Benzene	ND	103	102	1.0	99	106	6.8	70 - 130	30	
Bromobenzene	ND	114	115	0.9	106	114	7.3	70 - 130	30	
Bromochloromethane	ND	117	115	1.7	107	111	3.7	70 - 130	30	
Bromodichloromethane	ND	121	122	0.8	109	115	5.4	70 - 130	30	
Bromoform	ND	>150	>150	NC	126	134	6.2	70 - 130	30	l,m
Bromomethane	ND	119	116	2.6	81	90	10.5	70 - 130	30	
Carbon Disulfide	ND	81	78	3.8	82	87	5.9	70 - 130	30	
Carbon tetrachloride	ND	133	130	2.3	114	121	6.0	70 - 130	30	l
Chlorobenzene	ND	109	107	1.9	106	112	5.5	70 - 130	30	
Chloroethane	ND	93	90	3.3	<40	<40	NC	70 - 130	30	m
Chloroform	ND	111	111	0.0	99	107	7.8	70 - 130	30	
Chloromethane	ND	101	101	0.0	113	118	4.3	70 - 130	30	
cis-1,2-Dichloroethene	ND	100	107	6.8	93	99	6.3	70 - 130	30	
cis-1,3-Dichloropropene	ND	114	113	0.9	102	110	7.5	70 - 130	30	
Dibromochloromethane	ND	140	142	1.4	118	125	5.8	70 - 130	30	l
Dibromoethane	ND	124	122	1.6	113	122	7.7	70 - 130	30	
Dibromomethane	ND	117	114	2.6	106	110	3.7	70 - 130	30	
Dichlorodifluoromethane	ND	65	65	0.0	108	114	5.4	70 - 130	30	l
Ethylbenzene	ND	110	109	0.9	108	112	3.6	70 - 130	30	
Hexachlorobutadiene	ND	105	108	2.8	114	121	6.0	70 - 130	30	
Isopropylbenzene	ND	109	108	0.9	102	110	7.5	70 - 130	30	
m&p-Xylene	ND	108	110	1.8	109	116	6.2	70 - 130	30	
Methyl ethyl ketone	ND	90	88	2.2	45	47	4.3	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	111	108	2.7	94	105	11.1	70 - 130	30	
Methylene chloride	ND	92	95	3.2	92	95	3.2	70 - 130	30	
Naphthalene	ND	121	123	1.6	104	120	14.3	70 - 130	30	
n-Butylbenzene	ND	100	102	2.0	97	104	7.0	70 - 130	30	
n-Propylbenzene	ND	101	102	1.0	102	108	5.7	70 - 130	30	
o-Xylene	ND	109	110	0.9	108	112	3.6	70 - 130	30	
p-Isopropyltoluene	ND	112	113	0.9	104	112	7.4	70 - 130	30	
sec-Butylbenzene	ND	101	104	2.9	101	107	5.8	70 - 130	30	
Styrene	ND	110	111	0.9	108	112	3.6	70 - 130	30	
tert-Butylbenzene	ND	108	109	0.9	106	112	5.5	70 - 130	30	
Tetrachloroethene	ND	113	112	0.9	117	123	5.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	92	92	0.0	81	85	4.8	70 - 130	30	
Toluene	ND	109	109	0.0	106	114	7.3	70 - 130	30	
trans-1,2-Dichloroethene	ND	86	85	1.2	81	89	9.4	70 - 130	30	
trans-1,3-Dichloropropene	ND	124	123	0.8	108	117	8.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	123	121	1.6	93	100	7.3	70 - 130	30	
Trichloroethene	ND	115	115	0.0	110	119	7.9	70 - 130	30	
Trichlorofluoromethane	ND	124	123	0.8	<40	<40	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	93	95	2.1	98	103	5.0	70 - 130	30	
Vinyl chloride	ND	103	103	0.0	75	85	12.5	70 - 130	30	
% 1,2-dichlorobenzene-d4	102	101	100	1.0	100	102	2.0	70 - 130	30	
% Bromofluorobenzene	96	103	104	1.0	106	106	0.0	70 - 130	30	
% Dibromofluoromethane	107	105	107	1.9	102	101	1.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBB39242

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Toluene-d8	97	100	99	1.0	100	102	2.0	70 - 130	30	

QA/QC Batch 193618, QC Sample No: BB39246 (BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253, BB39254, BB39255, BB39256, BB39257)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	84	89	5.8	99	106	6.8	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	82	90	9.3	101	101	0.0	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	74	67	72	7.2	89	96	7.6	30 - 150	30	
% TCMX (Surrogate Rec)	84	74	81	9.0	81	87	7.1	30 - 150	30	

QA/QC Batch 193695, QC Sample No: BB39253 (BB39242, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253, BB39254, BB39255, BB39256, BB39257)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	127	127	0.0	124	116	6.7	70 - 130	30	
1,1,1-Trichloroethane	ND	111	115	3.5	116	110	5.3	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	103	96	7.0	115	114	0.9	70 - 130	30	
1,1,2-Trichloroethane	ND	121	111	8.6	98	102	4.0	70 - 130	30	
1,1-Dichloroethane	ND	101	82	20.8	84	99	16.4	70 - 130	30	
1,1-Dichloroethene	ND	86	90	4.5	94	90	4.3	70 - 130	30	
1,1-Dichloropropene	ND	107	117	8.9	114	105	8.2	70 - 130	30	
1,2,3-Trichlorobenzene	ND	124	124	0.0	49	40	20.2	70 - 130	30	m
1,2,3-Trichloropropane	ND	104	105	1.0	120	119	0.8	70 - 130	30	
1,2,4-Trichlorobenzene	ND	116	122	5.0	54	46	16.0	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	107	115	7.2	119	105	12.5	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	132	115	13.8	111	117	5.3	70 - 130	30	l
1,2-Dichlorobenzene	ND	106	108	1.9	89	80	10.7	70 - 130	30	
1,2-Dichloroethane	ND	116	111	4.4	108	106	1.9	70 - 130	30	
1,2-Dichloropropane	ND	100	99	1.0	94	92	2.2	70 - 130	30	
1,3,5-Trimethylbenzene	ND	108	115	6.3	125	109	13.7	70 - 130	30	
1,3-Dichlorobenzene	ND	109	114	4.5	99	87	12.9	70 - 130	30	
1,3-Dichloropropane	ND	107	100	6.8	99	99	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	106	110	3.7	94	82	13.6	70 - 130	30	
2,2-Dichloropropane	ND	117	117	0.0	113	109	3.6	70 - 130	30	
2-Chlorotoluene	ND	106	112	5.5	126	109	14.5	70 - 130	30	
2-Hexanone	ND	105	94	11.1	40	42	4.9	70 - 130	30	m
2-Isopropyltoluene	ND	101	108	6.7	117	102	13.7	70 - 130	30	
4-Chlorotoluene	ND	101	108	6.7	118	102	14.5	70 - 130	30	
4-Methyl-2-pentanone	ND	113	99	13.2	71	80	11.9	70 - 130	30	
Acetone	ND	106	98	7.8	<40	<40	NC	70 - 130	30	m
Acrylonitrile	ND	100	81	21.0	66	75	12.8	70 - 130	30	m
Benzene	ND	103	105	1.9	102	95	7.1	70 - 130	30	
Bromobenzene	ND	112	117	4.4	121	106	13.2	70 - 130	30	
Bromochloromethane	ND	112	105	6.5	101	105	3.9	70 - 130	30	
Bromodichloromethane	ND	119	116	2.6	111	107	3.7	70 - 130	30	
Bromoform	ND	138	126	9.1	113	117	3.5	70 - 130	30	l
Bromomethane	ND	104	114	9.2	108	95	12.8	70 - 130	30	
Carbon Disulfide	ND	78	84	7.4	86	81	6.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBB39242

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Carbon tetrachloride	ND	125	138	9.9	137	122	11.6	70 - 130	30	l,m
Chlorobenzene	ND	104	106	1.9	98	90	8.5	70 - 130	30	
Chloroethane	ND	94	96	2.1	101	95	6.1	70 - 130	30	
Chloroform	ND	109	92	16.9	92	100	8.3	70 - 130	30	
Chloromethane	ND	84	85	1.2	106	103	2.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	101	105	3.9	101	93	8.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	113	113	0.0	96	92	4.3	70 - 130	30	
Dibromochloromethane	ND	129	121	6.4	119	118	0.8	70 - 130	30	
Dibromoethane	ND	124	114	8.4	99	99	0.0	70 - 130	30	
Dibromomethane	ND	114	105	8.2	100	101	1.0	70 - 130	30	
Dichlorodifluoromethane	ND	64	66	3.1	120	114	5.1	70 - 130	30	l
Ethylbenzene	ND	105	110	4.7	106	96	9.9	70 - 130	30	
Hexachlorobutadiene	ND	111	124	11.1	74	65	12.9	70 - 130	30	m
Isopropylbenzene	ND	103	112	8.4	140	122	13.7	70 - 130	30	m
m&p-Xylene	ND	106	109	2.8	104	96	8.0	70 - 130	30	
Methyl ethyl ketone	ND	90	79	13.0	<40	40	NC	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	110	106	3.7	102	101	1.0	70 - 130	30	
Methylene chloride	ND	96	95	1.0	94	97	3.1	70 - 130	30	
Naphthalene	ND	124	123	0.8	62	45	31.8	70 - 130	30	m,r
n-Butylbenzene	ND	101	111	9.4	98	83	16.6	70 - 130	30	
n-Propylbenzene	ND	97	106	8.9	130	115	12.2	70 - 130	30	
o-Xylene	ND	106	108	1.9	100	94	6.2	70 - 130	30	
p-Isopropyltoluene	ND	111	121	8.6	118	105	11.7	70 - 130	30	
sec-Butylbenzene	ND	100	108	7.7	118	103	13.6	70 - 130	30	
Styrene	ND	109	108	0.9	88	82	7.1	70 - 130	30	
tert-Butylbenzene	ND	106	114	7.3	133	117	12.8	70 - 130	30	m
Tetrachloroethene	ND	109	114	4.5	120	106	12.4	70 - 130	30	
Tetrahydrofuran (THF)	ND	96	68	34.1	67	91	30.4	70 - 130	30	l,m,r
Toluene	ND	110	112	1.8	104	96	8.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	86	120	33.0	111	79	33.7	70 - 130	30	r
trans-1,3-Dichloropropene	ND	125	120	4.1	98	95	3.1	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	116	107	8.1	112	110	1.8	70 - 130	30	
Trichloroethene	ND	113	116	2.6	109	100	8.6	70 - 130	30	
Trichlorofluoromethane	ND	109	104	4.7	105	108	2.8	70 - 130	30	
Trichlorotrifluoroethane	ND	91	97	6.4	104	92	12.2	70 - 130	30	
Vinyl chloride	ND	91	93	2.2	113	106	6.4	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	101	101	0.0	98	98	0.0	70 - 130	30	
% Bromofluorobenzene	95	102	100	2.0	88	91	3.4	70 - 130	30	
% Dibromofluoromethane	98	109	90	19.1	96	111	14.5	70 - 130	30	
% Toluene-d8	97	101	101	0.0	99	99	0.0	70 - 130	30	

QA/QC Batch 193621, QC Sample No: BB39255 (BB39251, BB39252, BB39253, BB39254, BB39255, BB39256, BB39257)

TPH by GC (Extractable Products) - Solid

Ext. Petroleum HC	ND	66	81	20.4	62	50	21.4	50 - 150	30	
% n-Pentacosane	66	76	92	19.0	76	59	25.2	50 - 150	30	

QA/QC Batch 193890, QC Sample No: BB39300 (BB39258)

Volatiles - Water

1,1,1,2-Tetrachloroethane	ND	91	99	8.4	86	91	5.6	70 - 130	30	
1,1,1-Trichloroethane	ND	87	96	9.8	85	88	3.5	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	104	114	9.2	108	113	4.5	70 - 130	30	
1,1,2-Trichloroethane	ND	88	93	5.5	88	89	1.1	70 - 130	30	
1,1-Dichloroethane	ND	94	104	10.1	93	97	4.2	70 - 130	30	
1,1-Dichloroethene	ND	83	98	16.6	90	96	6.5	70 - 130	30	

QA/QC Data

SDG I.D.: GBB39242

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1-Dichloropropene	ND	89	95	6.5	85	88	3.5	70 - 130	30	
1,2,3-Trichlorobenzene	ND	77	100	26.0	87	98	11.9	70 - 130	30	
1,2,3-Trichloropropane	ND	97	104	7.0	97	101	4.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	77	94	19.9	85	95	11.1	70 - 130	30	
1,2,4-Trimethylbenzene	ND	87	96	9.8	87	91	4.5	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	90	101	11.5	81	91	11.6	70 - 130	30	
1,2-Dichlorobenzene	ND	92	99	7.3	94	98	4.2	70 - 130	30	
1,2-Dichloroethane	ND	103	108	4.7	103	107	3.8	70 - 130	30	
1,2-Dichloropropane	ND	104	110	5.6	102	105	2.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	88	97	9.7	86	87	1.2	70 - 130	30	
1,3-Dichlorobenzene	ND	89	95	6.5	87	93	6.7	70 - 130	30	
1,3-Dichloropropane	ND	97	109	11.7	96	104	8.0	70 - 130	30	
1,4-Dichlorobenzene	ND	90	97	7.5	93	99	6.3	70 - 130	30	
2,2-Dichloropropane	ND	93	122	27.0	49	65	28.1	70 - 130	30	m
2-Chlorotoluene	ND	88	96	8.7	86	91	5.6	70 - 130	30	
2-Hexanone	ND	80	96	18.2	80	92	14.0	70 - 130	30	
2-Isopropyltoluene	ND	85	95	11.1	89	91	2.2	70 - 130	30	
4-Chlorotoluene	ND	88	96	8.7	90	93	3.3	70 - 130	30	
4-Methyl-2-pentanone	ND	91	103	12.4	86	94	8.9	70 - 130	30	
Acetone	ND	81	91	11.6	126	123	2.4	70 - 130	30	
Acrylonitrile	ND	107	117	8.9	101	117	14.7	70 - 130	30	
Benzene	ND	94	100	6.2	91	93	2.2	70 - 130	30	
Bromobenzene	ND	90	96	6.5	87	92	5.6	70 - 130	30	
Bromochloromethane	ND	92	100	8.3	93	97	4.2	70 - 130	30	
Bromodichloromethane	ND	89	93	4.4	88	92	4.4	70 - 130	30	
Bromoform	ND	85	92	7.9	87	90	3.4	70 - 130	30	
Bromomethane	ND	84	109	25.9	94	104	10.1	70 - 130	30	
Carbon Disulfide	ND	88	103	15.7	91	99	8.4	70 - 130	30	
Carbon tetrachloride	ND	89	97	8.6	75	80	6.5	70 - 130	30	
Chlorobenzene	ND	92	98	6.3	94	97	3.1	70 - 130	30	
Chloroethane	ND	90	103	13.5	94	100	6.2	70 - 130	30	
Chloroform	ND	89	98	9.6	91	94	3.2	70 - 130	30	
Chloromethane	ND	72	93	25.5	82	88	7.1	70 - 130	30	
cis-1,2-Dichloroethene	ND	87	96	9.8	88	93	5.5	70 - 130	30	
cis-1,3-Dichloropropene	ND	73	83	12.8	68	74	8.5	70 - 130	30	m
Dibromochloromethane	ND	87	98	11.9	88	91	3.4	70 - 130	30	
Dibromoethane	ND	85	87	2.3	81	88	8.3	70 - 130	30	
Dibromomethane	ND	105	109	3.7	102	105	2.9	70 - 130	30	
Dichlorodifluoromethane	ND	53	78	38.2	70	76	8.2	70 - 130	30	l,r
Ethylbenzene	ND	93	103	10.2	92	94	2.2	70 - 130	30	
Hexachlorobutadiene	ND	66	79	17.9	75	82	8.9	70 - 130	30	l
Isopropylbenzene	ND	86	94	8.9	82	87	5.9	70 - 130	30	
m&p-Xylene	ND	93	103	10.2	94	96	2.1	70 - 130	30	
Methyl ethyl ketone	ND	102	99	3.0	108	104	3.8	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	149	>150	NC	66	99	40.0	70 - 130	30	l,m,r
Methylene chloride	ND	75	82	8.9	76	79	3.9	70 - 130	30	
Naphthalene	ND	50	83	49.6	61	95	43.6	70 - 130	30	l,m,r
n-Butylbenzene	ND	82	102	21.7	89	97	8.6	70 - 130	30	
n-Propylbenzene	ND	84	91	8.0	87	89	2.3	70 - 130	30	
o-Xylene	ND	97	109	11.7	98	100	2.0	70 - 130	30	
p-Isopropyltoluene	ND	89	101	12.6	86	90	4.5	70 - 130	30	
sec-Butylbenzene	ND	87	97	10.9	90	92	2.2	70 - 130	30	
Styrene	ND	100	111	10.4	101	104	2.9	70 - 130	30	

QA/QC Data

SDG I.D.: GBB39242

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
tert-Butylbenzene	ND	84	92	9.1	82	85	3.6	70 - 130	30
Tetrachloroethene	ND	78	90	14.3	77	81	5.1	70 - 130	30
Tetrahydrofuran (THF)	ND	100	106	5.8	97	99	2.0	70 - 130	30
Toluene	ND	82	87	5.9	79	81	2.5	70 - 130	30
trans-1,2-Dichloroethene	ND	86	97	12.0	88	93	5.5	70 - 130	30
trans-1,3-Dichloropropene	ND	83	92	10.3	72	78	8.0	70 - 130	30
trans-1,4-dichloro-2-butene	ND	105	117	10.8	76	96	23.3	70 - 130	30
Trichloroethene	ND	86	94	8.9	85	87	2.3	70 - 130	30
Trichlorofluoromethane	ND	99	120	19.2	88	98	10.8	70 - 130	30
Trichlorotrifluoroethane	ND	83	92	10.3	80	92	14.0	70 - 130	30
Vinyl chloride	ND	74	92	21.7	81	88	8.3	70 - 130	30
% 1,2-dichlorobenzene-d4	102	102	101	1.0	101	102	1.0	70 - 130	30
% Bromofluorobenzene	88	104	106	1.9	104	105	1.0	70 - 130	30
% Dibromofluoromethane	85	91	88	3.4	86	88	2.3	70 - 130	30
% Toluene-d8	82	90	85	5.7	86	85	1.2	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
February 10, 2012

Sample Criteria Exceedences Report

Requested Criteria: GWP

GBB39242

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB39242	TRC	SPLP-PB	SPLP Lead	ug/L	CT	Inorganic Substances	GWPC (µg/L)	0.016	0.010	0.015	0.015	mg/L
BB39243	TRC	SPLP-PB	SPLP Lead	ug/L	CT	Inorganic Substances	GWPC (µg/L)	0.335	0.010	0.015	0.015	mg/L
BB39244	TRC	SPLP-PB	SPLP Lead	ug/L	CT	Inorganic Substances	GWPC (µg/L)	0.017	0.010	0.015	0.015	mg/L
BB39245	TRC	SPLP-PB	SPLP Lead	ug/L	CT	Inorganic Substances	GWPC (µg/L)	0.018	0.010	0.015	0.015	mg/L
BB39247	TRC	SPLP-PB	SPLP Lead	ug/L	CT	Inorganic Substances	GWPC (µg/L)	0.029	0.010	0.015	0.015	mg/L
BB39248	TRC	SPLP-PB	SPLP Lead	ug/L	CT	Inorganic Substances	GWPC (µg/L)	0.159	0.010	0.015	0.015	mg/L
BB39249	TRC	SPLP-PB	SPLP Lead	ug/L	CT	Inorganic Substances	GWPC (µg/L)	0.810	0.010	0.015	0.015	mg/L
BB39251	TRC	SPLP-PB	SPLP Lead	ug/L	CT	Inorganic Substances	GWPC (µg/L)	0.275	0.010	0.015	0.015	mg/L
BB39253	TRC	SPLPHG	SPLP Mercury	ug/L	CT	Inorganic Substances	GWPC (µg/L)	0.0175	0.0008	0.002	0.002	mg/L
BB39253	TRC	SPLP-PB	SPLP Lead	ug/L	CT	Inorganic Substances	GWPC (µg/L)	0.237	0.010	0.015	0.015	mg/L
BB39254	TRC	SPLP-PB	SPLP Lead	ug/L	CT	Inorganic Substances	GWPC (µg/L)	0.036	0.010	0.015	0.015	mg/L
BB39256	TRC	SPLP-PB	SPLP Lead	ug/L	CT	Inorganic Substances	GWPC (µg/L)	0.031	0.010	0.015	0.015	mg/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** TRC

Project Location: STAMFORD-HOPE STREET RO **Project Number:**

Laboratory Sample ID(s): BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253, BB39254, BB39255, BB39256, BB39257, BB39258

Sampling Date(s): 1/31/2012

RCP Methods Used:

☑ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☑ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☑ 8260 ☑ 8270 ☑ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Sections: ETPH Narration, VOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: MaTaylor

Date: Friday, February 10, 2012

Printed Name: Maryam Taylor

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

February 10, 2012

SDG I.D.: GBB39242

The client requested a shorter list of elements than the 6010 RCP list.

8270 Semi-volatile Organics:
Only the PAH constituents are reported as requested on the chain-of-custody.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

The LCS/LCSD RPD was above 20%, both recoveries were within criteria. No significant analytical bias is suspected.

Instrument: Au-fid1 02/02/12-1 (BB39251, BB39257)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 2/2/2012

Instrument: Au-fid1 02/05/12-1 (BB39252, BB39255)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 2/5/2012

Instrument: Au-fid84 02/02/12-1 (BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39256, BB39258)

Initial Calibration (FID84 - ETPH_13) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: none

Printed Name Jeff Bucko
Position: Chemist
Date: 2/2/2012

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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RCP Certification Report

February 10, 2012

SDG I.D.: GBB39242

Instrument: Au-xl1 02/02/12-1 (BB39250, BB39253, BB39254)

Initial Calibration (FIDXL1 ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 2/2/2012

QC (Site Specific)

---------- Sample No: BB39255, QA/QC Batch: 193621 ----------

All LCS recoveries were within 50 - 150 with the following exceptions: None.

All LCSD recoveries were within 50 - 150 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 50 - 150 with the following exceptions: None.

All MSD recoveries were within 50 - 150 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BB37488, QA/QC Batch: 193382 ----------

All LCS recoveries were within 50 - 150 with the following exceptions: None.

All LCSD recoveries were within 50 - 150 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: % n-Pentacosane(30.8%), Ext. Petroleum HC(31.3%)

---------- Sample No: BB38986, QA/QC Batch: 193551 ----------

All LCS recoveries were within 50 - 150 with the following exceptions: None.

All LCSD recoveries were within 50 - 150 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Environmental Laboratories, Inc.
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RCP Certification Report

February 10, 2012

SDG I.D.: GBB39242

Mercury Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Merlin 02/02/12-1 (BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253, BB39254, BB39255, BB39256, BB39257)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 2/2/2012

Instrument: Merlin 02/03/12-1 (BB39258)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 2/3/2012

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February 10, 2012

SDG I.D.: GBB39242

QC (Site Specific)

---------- Sample No: BB39244, QA/QC Batch: 193674 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: None.

All MSD recoveries were within 75 - 125 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BB39499, QA/QC Batch: 193653 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BB39635, QA/QC Batch: 193743 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Icp7 02/01/12-1 (BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

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RCP Certification Report

February 10, 2012

SDG I.D.: GBB39242

Printed Name Laura Kinnin
Position: Chemist
Date: 2/1/2012

Instrument: Icp7 02/02/12-1 (BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253, BB39254, BB39255, BB39256, BB39257)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 2/2/2012

Instrument: Icp7 02/03/12-1 (BB39254, BB39255, BB39256, BB39257)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 2/3/2012

Instrument: Icp7 02/06/12-1 (BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253, BB39254, BB39255, BB39256, BB39257)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 2/6/2012

Instrument: Icp7 02/07/12-1 (BB39243, BB39244, BB39245, BB39246, BB39247)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

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SDG I.D.: GBB39242

Printed Name Laura Kinnin
Position: Chemist
Date: 2/7/2012

Instrument: Icp9 02/02/12-1 (BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253, BB39254, BB39255, BB39256, BB39257, BB39258)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 2/2/2012

Instrument: Icp9 02/03/12-1 (BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253, BB39254, BB39255, BB39256, BB39257, BB39258)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 2/3/2012

Instrument: Icp9 02/04/12-1 (BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253, BB39254, BB39255, BB39256, BB39257)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 2/4/2012

Instrument: Icp9 02/07/12-1 (BB39258)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.

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SDG I.D.: GBB39242

The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 2/7/2012

Instrument: Icp9 02/08/12-1 (BB39258)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 2/8/2012

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February 10, 2012

SDG I.D.: GBB39242

QC (Site Specific)

---------- Sample No: BB39242, QA/QC Batch: 193620 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: None.

All MSD recoveries were within 75 - 125 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: Chromium(38.4%)

---------- Sample No: BB39250, QA/QC Batch: 193651 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: None.

All MSD recoveries were within 75 - 125 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BB39510, QA/QC Batch: 193637 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BB39538, QA/QC Batch: 193700 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

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RCP Certification Report

February 10, 2012

SDG I.D.: GBB39242

PAH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Chem09 02/01/12-1 (BB39244, BB39255, BB39256, BB39257)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were not evaluated in the DFTPP tune.

Initial Calibration (Chem09/BN_0119)
Greater than 90% of the target compounds met calibration criteria with a RSD <20% or >0.99 correlation coefficient. The following compounds had RSDs >20% and <0.99 correlation coefficient: None

The following compounds failed to meet the minimum required response factor: None

Continuing Calibration:
Greater than 80% of target compounds met continuing calibration criteria with a %D <20. The following compunds had >20% difference from the initial calibration: None.

Printed Name Keith Aloisa
Position: Chemist
Date: 2/1/2012

Additional 8270 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 02/03/12-1 (BB39246)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 2/3/2012

Instrument: Au-ecd35 02/02/12-1 (BB39242, BB39243, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253, BB39254, BB39255, BB39256, BB39257)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

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February 10, 2012

SDG I.D.: GBB39242

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 2/2/2012

Instrument: Au-ecd7 02/02/12-1 (BB39258)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 2/2/2012

QC Comments: QC Batch 93567 01/31/12 (BB39258)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Site Specific)

---------- Sample No: BB39246, QA/QC Batch: 193618 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BB38473, QA/QC Batch: 193567 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

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SDG I.D.: GBB39242

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Chem07 02/01/12-2 (BB39242, BB39243, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253, BB39254)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were not evaluated in the DFTPP tune.

Initial Calibration (Chem07/SV_0131): Greater than 90% of the target compounds met calibration criteria with a RSD <20% or >0.99 correlation coefficient. The following compounds had RSDs >20% and <0.99 correlation coefficient: Hexachlorocyclopentadiene, 2,4-dinitrophenol, 2-nitroaniline, Pentachlorophenol

The following compounds failed to meet the minimum required response factor: 2-nitrophenol, Benzoic Acid, Hexachlorobenzene, % 2,4,6-tribromophenol

Continuing Calibration:
Greater than 80% of target compounds met continuing calibration criteria with a %D <20. The following compunds had >20% difference from the initial calibration: 2,4,6-Trichlorophenol, 2-Nitroaniline, Pentachlorophenol

Printed Name Damien Drobinski
Position: Chemist
Date: 2/1/2012

QC Comments: QC Batch 93622 02/01/12 (BB39258)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8270 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

SVOASIM Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Chem04 02/02/12-1 (BB39258)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were not evaluated in the DFTPP tune.

In the event that lower detection levels were requested, the samples may have been analyzed by selective ion monitoring (SIM) mode.

If PAH/base neutral were requested, Phoenix utilized a method that contained a shortened list , so some of the compounds in the narrative may be non-applicable.

Initial Calibration (Chem04/SIM_0131):
Greater than 90% of the target compounds met calibration criteria with a RSD <20% or >0.99 correlation coefficient. The following compounds had RSDs >20% and <0.99 correlation coefficient: None

The following compounds failed to meet the minimum required response factor: None

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February 10, 2012

SDG I.D.: GBB39242

Continuing Calibration:
Greater than 80% of target compounds met continuing calibraion criteria with a %D <20. The following compunds had >20% difference from the initial calibration: Bis(2-ethylhexyl)phthalate

Printed Name Damien Drobinski
Position: Chemist
Date: 2/2/2012

QC Comments: QC Batch 93622 02/01/12 (BB39258)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Batch Specific)

---------- Sample No: BB39219, QA/QC Batch: 193622 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

Additional 8270 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

Dichlorodifluoromethane, Hexachlorobutadiene, Naphthalene and Tetrahydofuran had low recoveries in the LCS and/or LCSD. A low bias for these compounds is possible.1,1,1,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane, Bromoform, MTBE,Carbon tetrachloride and Dibromochloromethane had recoveries above range in the LCS and/or LCSD. These compounds were not detected. No bias is suspected.

Instrument: Chem03 02/01/12-2 (BB39242, BB39244, BB39245, BB39246, BB39247, BB39248, BB39249, BB39250, BB39251, BB39252, BB39253, BB39254, BB39255, BB39256, BB39257)

Initial Calibration Verification (RCPS_0111):
>90% of target compounds met method criteria.
The following compounds had %RSDs >20%: Trans-1,4-dichloro-2-butene

Continuing Calibration Verification:
>80% of target compounds met method criteria. Internal standards were within the 50%-200% deviation from the initial calibration.
The following compounds had % Deviations >20%: Bromoform

Printed Name Johanna Harrington
Position: Chemist
Date: 2/1/2012

Instrument: Chem03 02/02/12-1 (BB39243)

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February 10, 2012

SDG I.D.: GBB39242

Initial Calibration Verification (RCPS_0111):
>90% of target compounds met method criteria.
The following compounds had %RSDs >20%: Trans-1,4-dichloro-2-butene

Continuing Calibration Verification:
>80% of target compounds met method criteria. Internal standards were within the 50%-200% deviation from the initial calibration.
The following compounds had % Deviations >20%: Bromoform

Printed Name Johanna Harrington
Position: Chemist
Date: 2/2/2012

Instrument: Chem08 02/03/12-1 (BB39258)

S -Side
Initial Calibration(RCPS_0109):
All SPCCs, CCCs and >80% of target compounds met criteria except that the following compounds had %RSDs >20%: Methylene Chloride, Tetrahydrofuran (thf), Dibromochloromethane, Styrene, Trans-1,4-dichloro-2-butene, 1,2-dibromo-3-chloropropane, Naphthalene

Continuing Calibration Verification:
All SPCCs, CCCs and >80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration.
The following compounds had % Deviations: Dichlorodifluoromethane, Naphthalene

Printed Name Tina Covensky
Position: Chemist
Date: 2/3/2012

QC Comments: QC Batch 93890 02/06/12 (BB39258)

A blank MS/MSD was analyzed with this batch.

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SDG I.D.: GBB39242

QC (Site Specific)

---------- Sample No: BB39243, QA/QC Batch: 193785 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: 1,1,1,2-Tetrachloroethane(133%), 1,2-Dibromo-3-chloropropane(142%), Bromoform(>150%), Carbon tetrachloride(133%), Dibromochloromethane(140%), Dichlorodifluoromethane(65%)

All LCSD recoveries were within 70 - 130 with the following exceptions: 1,1,1,2-Tetrachloroethane(133%), 1,2-Dibromo-3-chloropropane(142%), Bromoform(>150%), Dibromochloromethane(142%), Dichlorodifluoromethane(65%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 70 - 130 with the following exceptions: 2-Hexanone(51%), Acetone(<40%), Chloroethane(<40%), Methyl ethyl ketone(45%), Trichlorofluoromethane(<40%)

All MSD recoveries were within 70 - 130 with the following exceptions: 2-Hexanone(56%), Acetone(<40%), Bromoform(134%), Chloroethane(<40%), Methyl ethyl ketone(47%), Trichlorofluoromethane(<40%)

All MS/MSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BB39253, QA/QC Batch: 193695 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: 1,2-Dibromo-3-chloropropane(132%), Bromoform(138%), Dichlorodifluoromethane(64%)

All LCSD recoveries were within 70 - 130 with the following exceptions: Carbon tetrachloride(138%), Dichlorodifluoromethane(66%), Tetrahydrofuran (THF)(68%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: Tetrahydrofuran (THF)(34.1%), trans-1,2-Dichloroethene(33.0%)

All MS recoveries were within 70 - 130 with the following exceptions: 1,2,3-Trichlorobenzene(49%), 1,2,4-Trichlorobenzene(54%), 2-Hexanone(40%), Acetone(<40%), Acrylonitrile(66%), Carbon tetrachloride(137%), Isopropylbenzene(140%), Methyl ethyl ketone(<40%), Naphthalene(62%), tert-Butylbenzene(133%), Tetrahydrofuran (THF)(67%)

All MSD recoveries were within 70 - 130 with the following exceptions: 1,2,3-Trichlorobenzene(40%), 1,2,4-Trichlorobenzene(46%), 2-Hexanone(42%), Acetone(<40%), Hexachlorobutadiene(65%), Methyl ethyl ketone(40%), Naphthalene(45%)

All MS/MSD RPDs were less than 30% with the following exceptions: Naphthalene(31.8%), trans-1,2-Dichloroethene(33.7%)

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BB39300, QA/QC Batch: 193890 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: Dichlorodifluoromethane(53%), Hexachlorobutadiene(66%), Methyl t-butyl ether (MTBE)(149%), Naphthalene(50%)

All LCSD recoveries were within 70 - 130 with the following exceptions: Methyl t-butyl ether (MTBE)(>150%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: Dichlorodifluoromethane(38.2%), Naphthalene(49.6%)

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February 10, 2012

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Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

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CHAIN OF CUSTODY RECORD

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Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 10° Pg 1 of 2

Data Delivery:
[X] Fax #: 860-298-6399
[X] Email: CCarlson@trcsolutions.com

Customer: TRC
Address: 21 Griffin Road North, Windsor CT, 06095

Project: Stamford - Hope Street Local Roads
Report to: Chris Carlson
Invoice to: Same

Project P.O:
Phone #: 860-298-9692
Fax #: 860-298-6399

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 1/31/12

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
SE=Sediment **SL**=Sludge **S**=Soil/Solid **W**=Wipe **O**=Other

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	PAHs	ETPH	PCBs	RCRA-8 metals	SPLP RCRA-8 metals	Soil VOA Vials [ ] methanol [X] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
39242	SB-5(1-2)	S	1/31/12	0900	X	X	X	X	X	X							X	X		
39243	SB-8(1-2)	↓	↓	0915	↓	↓	↓	↓	↓	↓							↓	↓		
39244	SB-11(0-2)	↓	↓	0945	↓	↓	↓	↓	↓	↓							↓	↓		
39245	SB-10(2-3.5)	↓	↓	1005	↓	↓	↓	↓	↓	↓							↓	↓		
39246	SB-19(2-3)	↓	↓	1025	↓	↓	↓	↓	↓	↓							↓	↓		
39247	SB-18(1-2)	↓	↓	1040	↓	↓	↓	↓	↓	↓							↓	↓		
39248	SB-20(1.5-2.5)	↓	↓	1050	↓	↓	↓	↓	↓	↓							↓	↓		
39249	SB-21(1-2)	↓	↓	1130	↓	↓	↓	↓	↓	↓							↓	↓		
39250	SB-21(10-12)	↓	↓	1140	↓	↓	↓	↓	↓	↓							↓	↓		
39251	SB-27(1-2)	↓	↓	1150	↓	↓	↓	↓	↓	↓							↓	↓		
39252	SB-29(1-2)	↓	↓	1205	↓	↓	↓	↓	↓	↓							↓	↓		
*39253	SB-23(2-3)	↓	↓	1210	↓	↓	↓	↓	↓	↓							↓	↓		

Relinquished by:	Accepted by:	Date:	Time:
[signature]	TRC Fridge	2/1/12	0850
TRC Fridge	[signature]	2/1/12	11 10
[signature]	CParadise	2/1/12	16:08

Comments, Special Requirements or Regulations:
*rcvd 3 low level voas and no high level voas

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[X] GW Protection
[ ] SW Protection
[ ] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

State where samples were collected: CT

CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 6°C Pg 2 of 2

Data Delivery:
☐ Fax #: See Page 1
☐ Email: See Page 1

Customer: See Page 1
Address:
Project: See Page 1
Report to:
Invoice to:
Project P.O: See Page 1
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 1/31/12

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
SE=Sediment **SL**=Sludge **S**=Soil/Solid **W**=Wipe **O**=Other

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	PAHs	ETPH	PCBs	RCRA-8 metals	SPLP RCRA-8 metals	Soil VOA Vials [1] methanol [2] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
39254	SB-24(1-2)	S	1/31/12	1215	X	X	X	X	X	X							X	X								
39255	SB-25(15-25)	S	↓	1240	X	X	X	X	X	X							X	X								
39256	SB-26(0-2)	S	↓	1310	X	X	X	X	X	X							X	X								
39257	SB-26(10-12)	S	↓	1320	X	X	X	X	X	X							X	X								
39258	FB013112	W	↓	1330	X	X	X	X	X										3	3			1			

Relinquished by:	Accepted by:	Date:	Time:
[signature]	TRC Fridge	2/1/12	0850
TRC Prince	[signature]	2/1/12	1110
[signature]	CParadise	2/1/12	16:08

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☒ RCP Cert
☒ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: CT

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other

* SURCHARGE APPLIES

PHOENIX
Environmental Laboratories, Inc.

Wednesday, February 08, 2012

Attn: Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD
Sample ID#s: BB36630 - BB36642

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 08, 2012

FOR: Attn: Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/24/12	10:05
Location Code:	TRC-DAS	Received by:	LB	01/25/12	11:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB36630
Phoenix ID: BB36630

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Client ID: SB-1P 4-6

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	01/26/12		LK	6010/200.7
Arsenic	< 0.67	0.67	mg/Kg	01/26/12		LK	6010/200.7
Barium	23.7	0.34	mg/Kg	01/30/12		EK	6010/200.7
Cadmium	< 0.34	0.34	mg/Kg	01/26/12		LK	6010/200.7
Chromium	10.6	0.34	mg/Kg	01/26/12		LK	6010/200.7
Mercury	< 0.08	0.08	mg/Kg	01/26/12		RS	SW-7471
Lead	3.19	0.34	mg/Kg	01/26/12		LK	6010/200.7
Selenium	< 1.3	1.3	mg/Kg	01/26/12		LK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	01/27/12		LK	E1312/SW6010
SPLP Barium	0.022	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	01/27/12		LK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	01/26/12		RS	1312/SW7471
SPLP Lead	< 0.010	0.010	mg/L	02/08/12		LK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	01/27/12		LK	E1312/SW6010
Total Metals Digest	Completed			01/25/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/08/12		D/D	SW846-3005
Percent Solid	95		%	01/25/12		JL	E160.3
Soil Extraction for PCB	Completed			01/25/12		RB/F	SW3545
Soil Extraction SVOA BN	Completed			01/25/12		RB/R	SW3545
Extraction of CT ETPH	Completed			01/25/12		WS/F	3545
Mercury Digestion	Completed			01/26/12			SW7471
SPLP Digestion Mercury	Completed			01/26/12			E1312/SW7470
SPLP Extraction for Metals	Completed			02/07/12		D	EPA 1312
Field Extraction	Completed			01/24/12		TRC	SW5035

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD
Client ID: SB-1P 4-6

Phoenix I.D.: BB36630

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	01/26/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	01/26/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	93		%	01/26/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1221	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1232	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1242	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1248	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1254	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1260	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1262	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1268	ND	340	ug/Kg	01/26/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	101		%	01/26/12		MH	30 - 150 %
% TCMX	95		%	01/26/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,1,1-Trichloroethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	01/26/12		R/J	SW8260
1,1,2-Trichloroethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloropropene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichloropropane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichlorobenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloroethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloropropane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichlorobenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichloropropane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,4-Dichlorobenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
2,2-Dichloropropane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
2-Chlorotoluene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
2-Hexanone	ND	27	ug/Kg	01/26/12		R/J	SW8260
2-Isopropyltoluene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
4-Chlorotoluene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
4-Methyl-2-pentanone	ND	27	ug/Kg	01/26/12		R/J	SW8260
Acetone	ND	110	ug/Kg	01/26/12		R/J	SW8260
Acrylonitrile	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Benzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Bromobenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD Phoenix I.D.: BB36630
Client ID: SB-1P 4-6

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Bromodichloromethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Bromoform	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Bromomethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Carbon Disulfide	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Carbon tetrachloride	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Chlorobenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Chloroethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Chloroform	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Chloromethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Dibromochloromethane	ND	3.3	ug/Kg	01/26/12		R/J	SW8260
Dibromoethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Dibromomethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Ethylbenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Hexachlorobutadiene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Isopropylbenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
m&p-Xylene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Methyl Ethyl Ketone	ND	33	ug/Kg	01/26/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/26/12		R/J	SW8260
Methylene chloride	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Naphthalene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
n-Butylbenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
n-Propylbenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
o-Xylene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
p-Isopropyltoluene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
sec-Butylbenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Styrene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
tert-Butylbenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Tetrachloroethene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/26/12		R/J	SW8260
Toluene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Total Xylenes	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/26/12		R/J	SW8260
Trichloroethene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Trichlorofluoromethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Vinyl chloride	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	01/26/12		R/J	70 - 130 %
% Bromofluorobenzene	94		%	01/26/12		R/J	70 - 130 %
% Dibromofluoromethane	102		%	01/26/12		R/J	70 - 130 %
% Toluene-d8	97		%	01/26/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Acenaphthene	ND	240	ug/Kg	01/25/12		KCA	SW 8270

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Phoenix I.D.: BB36630

Client ID: SB-1P 4-6

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Anthracene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Chrysene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Fluoranthene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Fluorene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Naphthalene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Phenanthrene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Pyrene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	77		%	01/25/12		KCA	30 - 130 %
% Nitrobenzene-d5	88		%	01/25/12		KCA	30 - 130 %
% Terphenyl-d14	71		%	01/25/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

February 08, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 08, 2012

FOR: Attn: Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/24/12	10:25
Location Code:	TRC-DAS	Received by:	LB	01/25/12	11:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB36630
Phoenix ID: BB36631

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Client ID: SB-2P 4-6

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	01/26/12		LK	6010/200.7
Arsenic	< 0.71	0.71	mg/Kg	01/26/12		LK	6010/200.7
Barium	35.2	0.36	mg/Kg	01/30/12		EK	6010/200.7
Cadmium	< 0.36	0.36	mg/Kg	01/26/12		LK	6010/200.7
Chromium	16.5	0.36	mg/Kg	01/26/12		LK	6010/200.7
Mercury	< 0.08	0.08	mg/Kg	01/26/12		RS	SW-7471
Lead	3.81	0.36	mg/Kg	01/26/12		LK	6010/200.7
Selenium	< 1.4	1.4	mg/Kg	01/26/12		LK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	01/27/12		LK	E1312/SW6010
SPLP Barium	0.027	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	01/27/12		LK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	01/26/12		RS	1312/SW7471
SPLP Lead	< 0.010	0.010	mg/L	02/08/12		LK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	01/27/12		LK	E1312/SW6010
Total Metals Digest	Completed			01/25/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/08/12		D/D	SW846-3005
Percent Solid	95		%	01/25/12		JL	E160.3
Soil Extraction for PCB	Completed			01/25/12		RB/F	SW3545
Soil Extraction SVOA BN	Completed			01/25/12		RB/R	SW3545
Extraction of CT ETPH	Completed			01/25/12		SS/F	3545
Mercury Digestion	Completed			01/26/12			SW7471
SPLP Digestion Mercury	Completed			01/26/12			E1312/SW7470
SPLP Extraction for Metals	Completed			02/07/12		D	EPA 1312
Field Extraction	Completed			01/24/12		TRC	SW5035

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD
Client ID: SB-2P 4-6

Phoenix I.D.: BB36631

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	01/26/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	01/26/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	95		%	01/26/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1221	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1232	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1242	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1248	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1254	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1260	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1262	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1268	ND	340	ug/Kg	01/26/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	102		%	01/26/12		MH	30 - 150 %
% TCMX	96		%	01/26/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,1,1-Trichloroethane	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	10	ug/Kg	01/26/12		R/J	SW8260
1,1,2-Trichloroethane	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethane	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethene	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloropropene	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichloropropane	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichlorobenzene	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloroethane	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloropropane	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichlorobenzene	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichloropropane	ND	19	ug/Kg	01/26/12		R/J	SW8260
1,4-Dichlorobenzene	ND	19	ug/Kg	01/26/12		R/J	SW8260
2,2-Dichloropropane	ND	19	ug/Kg	01/26/12		R/J	SW8260
2-Chlorotoluene	ND	19	ug/Kg	01/26/12		R/J	SW8260
2-Hexanone	ND	95	ug/Kg	01/26/12		R/J	SW8260
2-Isopropyltoluene	ND	19	ug/Kg	01/26/12		R/J	SW8260
4-Chlorotoluene	ND	19	ug/Kg	01/26/12		R/J	SW8260
4-Methyl-2-pentanone	ND	95	ug/Kg	01/26/12		R/J	SW8260
Acetone	ND	380	ug/Kg	01/26/12		R/J	SW8260
Acrylonitrile	ND	10	ug/Kg	01/26/12		R/J	SW8260
Benzene	ND	19	ug/Kg	01/26/12		R/J	SW8260
Bromobenzene	ND	19	ug/Kg	01/26/12		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	19	ug/Kg	01/26/12		R/J	SW8260
Bromodichloromethane	ND	10	ug/Kg	01/26/12		R/J	SW8260
Bromoform	ND	19	ug/Kg	01/26/12		R/J	SW8260
Bromomethane	ND	19	ug/Kg	01/26/12		R/J	SW8260
Carbon Disulfide	ND	19	ug/Kg	01/26/12		R/J	SW8260
Carbon tetrachloride	ND	19	ug/Kg	01/26/12		R/J	SW8260
Chlorobenzene	ND	19	ug/Kg	01/26/12		R/J	SW8260
Chloroethane	ND	19	ug/Kg	01/26/12		R/J	SW8260
Chloroform	ND	19	ug/Kg	01/26/12		R/J	SW8260
Chloromethane	ND	19	ug/Kg	01/26/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	19	ug/Kg	01/26/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	19	ug/Kg	01/26/12		R/J	SW8260
Dibromochloromethane	ND	10	ug/Kg	01/26/12		R/J	SW8260
Dibromoethane	ND	7	ug/Kg	01/26/12		R/J	SW8260
Dibromomethane	ND	19	ug/Kg	01/26/12		R/J	SW8260
Dichlorodifluoromethane	ND	19	ug/Kg	01/26/12		R/J	SW8260
Ethylbenzene	ND	19	ug/Kg	01/26/12		R/J	SW8260
Hexachlorobutadiene	ND	19	ug/Kg	01/26/12		R/J	SW8260
Isopropylbenzene	ND	19	ug/Kg	01/26/12		R/J	SW8260
m&p-Xylene	ND	19	ug/Kg	01/26/12		R/J	SW8260
Methyl Ethyl Ketone	ND	110	ug/Kg	01/26/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	38	ug/Kg	01/26/12		R/J	SW8260
Methylene chloride	ND	19	ug/Kg	01/26/12		R/J	SW8260
Naphthalene	ND	19	ug/Kg	01/26/12		R/J	SW8260
n-Butylbenzene	ND	19	ug/Kg	01/26/12		R/J	SW8260
n-Propylbenzene	ND	19	ug/Kg	01/26/12		R/J	SW8260
o-Xylene	ND	19	ug/Kg	01/26/12		R/J	SW8260
p-Isopropyltoluene	ND	19	ug/Kg	01/26/12		R/J	SW8260
sec-Butylbenzene	ND	19	ug/Kg	01/26/12		R/J	SW8260
Styrene	ND	19	ug/Kg	01/26/12		R/J	SW8260
tert-Butylbenzene	ND	19	ug/Kg	01/26/12		R/J	SW8260
Tetrachloroethene	ND	19	ug/Kg	01/26/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	38	ug/Kg	01/26/12		R/J	SW8260
Toluene	ND	19	ug/Kg	01/26/12		R/J	SW8260
Total Xylenes	ND	19	ug/Kg	01/26/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	19	ug/Kg	01/26/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	19	ug/Kg	01/26/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	38	ug/Kg	01/26/12		R/J	SW8260
Trichloroethene	ND	19	ug/Kg	01/26/12		R/J	SW8260
Trichlorofluoromethane	ND	19	ug/Kg	01/26/12		R/J	SW8260
Trichlorotrifluoroethane	ND	19	ug/Kg	01/26/12		R/J	SW8260
Vinyl chloride	ND	19	ug/Kg	01/26/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	01/26/12		R/J	70 - 130 %
% Bromofluorobenzene	90		%	01/26/12		R/J	70 - 130 %
% Dibromofluoromethane	98		%	01/26/12		R/J	70 - 130 %
% Toluene-d8	95		%	01/26/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Acenaphthene	ND	240	ug/Kg	01/25/12		KCA	SW 8270

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Phoenix I.D.: BB36631

Client ID: SB-2P 4-6

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Anthracene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Chrysene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Fluoranthene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Fluorene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Naphthalene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Phenanthrene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
Pyrene	ND	240	ug/Kg	01/25/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	74		%	01/25/12		KCA	30 - 130 %
% Nitrobenzene-d5	84		%	01/25/12		KCA	30 - 130 %
% Terphenyl-d14	72		%	01/25/12		KCA	30 - 130 %

Comments:

Elevated reporting limits for volatiles due to limited sample volume provided in the low level VOA vials. Less than 2 grams of sample was in each of the low level vials..

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 08, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 08, 2012

FOR: Attn: Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/24/12	10:30
Location Code:	TRC-DAS	Received by:	LB	01/25/12	11:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB36630
Phoenix ID: BB36632

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Client ID: SB-2P 8-9

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	01/26/12		LK	6010/200.7
Arsenic	< 0.67	0.67	mg/Kg	01/26/12		LK	6010/200.7
Barium	41.8	0.34	mg/Kg	01/30/12		EK	6010/200.7
Cadmium	< 0.34	0.34	mg/Kg	01/26/12		LK	6010/200.7
Chromium	14.1	0.34	mg/Kg	01/26/12		LK	6010/200.7
Mercury	< 0.07	0.07	mg/Kg	01/26/12		RS	SW-7471
Lead	9.96	0.34	mg/Kg	01/26/12		LK	6010/200.7
Selenium	< 1.3	1.3	mg/Kg	01/26/12		LK	6010/200.7
SPLP Silver	< 0.030	0.030	mg/L	01/28/12		LK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	01/27/12		LK	E1312/SW6010
SPLP Barium	0.062	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	01/27/12		LK	E1312/SW6010
SPLP Chromium	0.012	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	01/26/12		RS	1312/SW7471
SPLP Lead	0.049	0.010	mg/L	02/08/12		LK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	01/27/12		LK	E1312/SW6010
Total Metals Digest	Completed			01/25/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/08/12		D/D	SW846-3005
Percent Solid	94		%	01/25/12		JL	E160.3
Soil Extraction for PCB	Completed			01/25/12		RB/F	SW3545
Soil Extraction SVOA BN	Completed			01/25/12		RB/R	SW3545
Extraction of CT ETPH	Completed			01/25/12		WS/F	3545
Mercury Digestion	Completed			01/26/12			SW7471
SPLP Digestion Mercury	Completed			01/26/12			E1312/SW7470
SPLP Extraction for Metals	Completed			02/07/12		D	EPA 1312
Field Extraction	Completed			01/24/12		TRC	SW5035

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD
Client ID: SB-2P 8-9

Phoenix I.D.: BB36632

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	01/26/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	01/26/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	88		%	01/26/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1221	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1232	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1242	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1248	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1254	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1260	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1262	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1268	ND	340	ug/Kg	01/26/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	104		%	01/26/12		MH	30 - 150 %
% TCMX	97		%	01/26/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,1,1-Trichloroethane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	01/26/12		R/J	SW8260
1,1,2-Trichloroethane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloropropene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichloropropane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloroethane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloropropane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichloropropane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
2,2-Dichloropropane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
2-Chlorotoluene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
2-Hexanone	ND	25	ug/Kg	01/26/12		R/J	SW8260
2-Isopropyltoluene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
4-Chlorotoluene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
4-Methyl-2-pentanone	ND	25	ug/Kg	01/26/12		R/J	SW8260
Acetone	ND	100	ug/Kg	01/26/12		R/J	SW8260
Acrylonitrile	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Benzene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Bromobenzene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD Phoenix I.D.: BB36632
Client ID: SB-2P 8-9

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Bromodichloromethane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Bromoform	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Bromomethane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Carbon tetrachloride	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Chlorobenzene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Chloroethane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Chloroform	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Chloromethane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Dibromochloromethane	ND	3.0	ug/Kg	01/26/12		R/J	SW8260
Dibromoethane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Dibromomethane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Ethylbenzene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Hexachlorobutadiene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Isopropylbenzene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
m&p-Xylene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	01/26/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	01/26/12		R/J	SW8260
Methylene chloride	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Naphthalene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
n-Butylbenzene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
n-Propylbenzene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
o-Xylene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
p-Isopropyltoluene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
sec-Butylbenzene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Styrene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
tert-Butylbenzene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Tetrachloroethene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	01/26/12		R/J	SW8260
Toluene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Total Xylenes	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	01/26/12		R/J	SW8260
Trichloroethene	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Trichlorofluoromethane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
Vinyl chloride	ND	5.0	ug/Kg	01/26/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	01/26/12		R/J	70 - 130 %
% Bromofluorobenzene	96		%	01/26/12		R/J	70 - 130 %
% Dibromofluoromethane	105		%	01/26/12		R/J	70 - 130 %
% Toluene-d8	96		%	01/26/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Acenaphthene	ND	250	ug/Kg	01/26/12		KCA	SW 8270

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Phoenix I.D.: BB36632

Client ID: SB-2P 8-9

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Anthracene	680	250	ug/Kg	01/26/12		KCA	SW 8270
Benz(a)anthracene	1300	250	ug/Kg	01/26/12		KCA	SW 8270
Benzo(a)pyrene	1100	250	ug/Kg	01/26/12		KCA	SW 8270
Benzo(b)fluoranthene	1600	250	ug/Kg	01/26/12		KCA	SW 8270
Benzo(ghi)perylene	690	250	ug/Kg	01/26/12		KCA	SW 8270
Benzo(k)fluoranthene	490	250	ug/Kg	01/26/12		KCA	SW 8270
Chrysene	960	250	ug/Kg	01/26/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Fluoranthene	3100	250	ug/Kg	01/26/12		KCA	SW 8270
Fluorene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	610	250	ug/Kg	01/26/12		KCA	SW 8270
Naphthalene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Phenanthrene	2300	250	ug/Kg	01/26/12		KCA	SW 8270
Pyrene	2600	250	ug/Kg	01/26/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	84		%	01/26/12		KCA	30 - 130 %
% Nitrobenzene-d5	92		%	01/26/12		KCA	30 - 130 %
% Terphenyl-d14	81		%	01/26/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 08, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 08, 2012

FOR: Attn: Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/24/12	10:50
Location Code:	TRC-DAS	Received by:	LB	01/25/12	11:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB36630
Phoenix ID: BB36633

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Client ID: SB-3P 1.5-2.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	01/26/12		LK	6010/200.7
Arsenic	2.71	0.80	mg/Kg	01/26/12		LK	6010/200.7
Barium	69.8	0.40	mg/Kg	01/30/12		EK	6010/200.7
Cadmium	1.54	0.40	mg/Kg	01/26/12		LK	6010/200.7
Chromium	23.8	0.40	mg/Kg	01/26/12		LK	6010/200.7
Mercury	< 0.07	0.07	mg/Kg	01/26/12		RS	SW-7471
Lead	71.4	0.40	mg/Kg	01/26/12		LK	6010/200.7
Selenium	< 1.6	1.6	mg/Kg	01/26/12		LK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Arsenic	0.006	0.004	mg/L	01/27/12		LK	E1312/SW6010
SPLP Barium	0.057	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	01/27/12		LK	E1312/SW6010
SPLP Chromium	0.014	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	01/26/12		RS	1312/SW7471
SPLP Lead	0.129	0.010	mg/L	02/08/12		LK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	01/27/12		LK	E1312/SW6010
Total Metals Digest	Completed			01/25/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/08/12		D/D	SW846-3005
Percent Solid	80		%	01/25/12		JL	E160.3
Soil Extraction for PCB	Completed			01/25/12		RB/F	SW3545
Soil Extraction SVOA BN	Completed			01/25/12		RB/R	SW3545
Extraction of CT ETPH	Completed			01/25/12		WS/F	3545
Mercury Digestion	Completed			01/26/12			SW7471
SPLP Digestion Mercury	Completed			01/26/12			E1312/SW7470
SPLP Extraction for Metals	Completed			02/07/12		D	EPA 1312
Field Extraction	Completed			01/24/12		TRC	SW5035

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD
Client ID: SB-3P 1.5-2.5

Phoenix I.D.: BB36633

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	12	mg/Kg	01/26/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	01/26/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	123		%	01/26/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	410	ug/Kg	01/26/12		MH	SW 8082
PCB-1221	ND	410	ug/Kg	01/26/12		MH	SW 8082
PCB-1232	ND	410	ug/Kg	01/26/12		MH	SW 8082
PCB-1242	ND	410	ug/Kg	01/26/12		MH	SW 8082
PCB-1248	ND	410	ug/Kg	01/26/12		MH	SW 8082
PCB-1254	ND	410	ug/Kg	01/26/12		MH	SW 8082
PCB-1260	ND	410	ug/Kg	01/26/12		MH	SW 8082
PCB-1262	ND	410	ug/Kg	01/26/12		MH	SW 8082
PCB-1268	ND	410	ug/Kg	01/26/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	105		%	01/26/12		MH	30 - 150 %
% TCMX	97		%	01/26/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,1,1-Trichloroethane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.5	ug/Kg	01/26/12		R/J	SW8260
1,1,2-Trichloroethane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloropropene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichloropropane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichlorobenzene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloroethane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloropropane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichlorobenzene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichloropropane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
1,4-Dichlorobenzene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
2,2-Dichloropropane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
2-Chlorotoluene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
2-Hexanone	ND	29	ug/Kg	01/26/12		R/J	SW8260
2-Isopropyltoluene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
4-Chlorotoluene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
4-Methyl-2-pentanone	ND	29	ug/Kg	01/26/12		R/J	SW8260
Acetone	ND	120	ug/Kg	01/26/12		R/J	SW8260
Acrylonitrile	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Benzene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Bromobenzene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD Phoenix I.D.: BB36633
Client ID: SB-3P 1.5-2.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Bromodichloromethane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Bromoform	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Bromomethane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Carbon Disulfide	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Carbon tetrachloride	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Chlorobenzene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Chloroethane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Chloroform	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Chloromethane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Dibromochloromethane	ND	3.5	ug/Kg	01/26/12		R/J	SW8260
Dibromoethane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Dibromomethane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Ethylbenzene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Hexachlorobutadiene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Isopropylbenzene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
m&p-Xylene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Methyl Ethyl Ketone	ND	35	ug/Kg	01/26/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	01/26/12		R/J	SW8260
Methylene chloride	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Naphthalene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
n-Butylbenzene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
n-Propylbenzene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
o-Xylene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
p-Isopropyltoluene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
sec-Butylbenzene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Styrene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
tert-Butylbenzene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Tetrachloroethene	12	5.8	ug/Kg	01/26/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	01/26/12		R/J	SW8260
Toluene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Total Xylenes	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	01/26/12		R/J	SW8260
Trichloroethene	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Trichlorofluoromethane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
Vinyl chloride	ND	5.8	ug/Kg	01/26/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	01/26/12		R/J	70 - 130 %
% Bromofluorobenzene	81		%	01/26/12		R/J	70 - 130 %
% Dibromofluoromethane	99		%	01/26/12		R/J	70 - 130 %
% Toluene-d8	94		%	01/26/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Acenaphthene	ND	290	ug/Kg	01/26/12		KCA	SW 8270

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Phoenix I.D.: BB36633

Client ID: SB-3P 1.5-2.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Anthracene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Benz(a)anthracene	540	290	ug/Kg	01/26/12		KCA	SW 8270
Benzo(a)pyrene	440	290	ug/Kg	01/26/12		KCA	SW 8270
Benzo(b)fluoranthene	560	290	ug/Kg	01/26/12		KCA	SW 8270
Benzo(ghi)perylene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Chrysene	480	290	ug/Kg	01/26/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Fluoranthene	550	290	ug/Kg	01/26/12		KCA	SW 8270
Fluorene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Naphthalene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Phenanthrene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Pyrene	680	290	ug/Kg	01/26/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	73		%	01/26/12		KCA	30 - 130 %
% Nitrobenzene-d5	84		%	01/26/12		KCA	30 - 130 %
% Terphenyl-d14	63		%	01/26/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 08, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 08, 2012

FOR: Attn: Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/24/12	10:55
Location Code:	TRC-DAS	Received by:	LB	01/25/12	11:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB36630
Phoenix ID: BB36634

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Client ID: SB-3P 4-6

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	01/26/12		LK	6010/200.7
Arsenic	< 0.75	0.75	mg/Kg	01/26/12		LK	6010/200.7
Barium	43.0	0.38	mg/Kg	01/30/12		EK	6010/200.7
Cadmium	0.47	0.38	mg/Kg	01/26/12		LK	6010/200.7
Chromium	13.4	0.38	mg/Kg	01/26/12		LK	6010/200.7
Mercury	< 0.07	0.07	mg/Kg	01/26/12		RS	SW-7471
Lead	6.08	0.38	mg/Kg	01/26/12		LK	6010/200.7
Selenium	< 1.5	1.5	mg/Kg	01/26/12		LK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	01/27/12		LK	E1312/SW6010
SPLP Barium	0.054	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	01/27/12		LK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	01/26/12		RS	1312/SW7471
SPLP Lead	0.042	0.010	mg/L	02/08/12		LK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	01/27/12		LK	E1312/SW6010
Total Metals Digest	Completed			01/25/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/08/12		D/D	SW846-3005
Percent Solid	95		%	01/25/12		JL	E160.3
Soil Extraction for PCB	Completed			01/25/12		RB/F	SW3545
Soil Extraction SVOA BN	Completed			01/25/12		RB/R	SW3545
Extraction of CT ETPH	Completed			01/25/12		WS/F	3545
Mercury Digestion	Completed			01/26/12			SW7471
SPLP Digestion Mercury	Completed			01/26/12			E1312/SW7470
SPLP Extraction for Metals	Completed			02/07/12		D	EPA 1312
Field Extraction	Completed			01/24/12		TRC	SW5035

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD
Client ID: SB-3P 4-6

Phoenix I.D.: BB36634

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	01/26/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	01/26/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	80		%	01/26/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	01/26/12		MH	SW 8082
PCB-1221	ND	350	ug/Kg	01/26/12		MH	SW 8082
PCB-1232	ND	350	ug/Kg	01/26/12		MH	SW 8082
PCB-1242	ND	350	ug/Kg	01/26/12		MH	SW 8082
PCB-1248	ND	350	ug/Kg	01/26/12		MH	SW 8082
PCB-1254	ND	350	ug/Kg	01/26/12		MH	SW 8082
PCB-1260	ND	350	ug/Kg	01/26/12		MH	SW 8082
PCB-1262	ND	350	ug/Kg	01/26/12		MH	SW 8082
PCB-1268	ND	350	ug/Kg	01/26/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	100		%	01/26/12		MH	30 - 150 %
% TCMX	93		%	01/26/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,1,1-Trichloroethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	01/26/12		R/J	SW8260
1,1,2-Trichloroethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloropropene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichloropropane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichlorobenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloroethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloropropane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichlorobenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichloropropane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
1,4-Dichlorobenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
2,2-Dichloropropane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
2-Chlorotoluene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
2-Hexanone	ND	27	ug/Kg	01/26/12		R/J	SW8260
2-Isopropyltoluene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
4-Chlorotoluene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
4-Methyl-2-pentanone	ND	27	ug/Kg	01/26/12		R/J	SW8260
Acetone	ND	110	ug/Kg	01/26/12		R/J	SW8260
Acrylonitrile	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Benzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Bromobenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Bromodichloromethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Bromoform	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Bromomethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Carbon Disulfide	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Carbon tetrachloride	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Chlorobenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Chloroethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Chloroform	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Chloromethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Dibromochloromethane	ND	3.3	ug/Kg	01/26/12		R/J	SW8260
Dibromoethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Dibromomethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Ethylbenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Hexachlorobutadiene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Isopropylbenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
m&p-Xylene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Methyl Ethyl Ketone	ND	33	ug/Kg	01/26/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/26/12		R/J	SW8260
Methylene chloride	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Naphthalene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
n-Butylbenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
n-Propylbenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
o-Xylene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
p-Isopropyltoluene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
sec-Butylbenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Styrene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
tert-Butylbenzene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Tetrachloroethene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/26/12		R/J	SW8260
Toluene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Total Xylenes	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/26/12		R/J	SW8260
Trichloroethene	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Trichlorofluoromethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
Vinyl chloride	ND	5.5	ug/Kg	01/26/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	01/26/12		R/J	70 - 130 %
% Bromofluorobenzene	93		%	01/26/12		R/J	70 - 130 %
% Dibromofluoromethane	103		%	01/26/12		R/J	70 - 130 %
% Toluene-d8	96		%	01/26/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Acenaphthene	ND	240	ug/Kg	01/26/12		KCA	SW 8270

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Phoenix I.D.: BB36634

Client ID: SB-3P 4-6

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Anthracene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Chrysene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Fluoranthene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Fluorene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Naphthalene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Phenanthrene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Pyrene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	73		%	01/26/12		KCA	30 - 130 %
% Nitrobenzene-d5	81		%	01/26/12		KCA	30 - 130 %
% Terphenyl-d14	64		%	01/26/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 08, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 08, 2012

FOR: Attn: Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/24/12	11:35
Location Code:	TRC-DAS	Received by:	LB	01/25/12	11:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB36630
Phoenix ID: BB36635

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Client ID: SB-6P 1.5-2.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.41	0.41	mg/Kg	01/26/12		LK	6010/200.7
Arsenic	5.26	0.81	mg/Kg	01/26/12		LK	6010/200.7
Barium	86.5	0.41	mg/Kg	01/30/12		EK	6010/200.7
Cadmium	0.52	0.41	mg/Kg	01/26/12		LK	6010/200.7
Chromium	21.8	0.41	mg/Kg	01/26/12		LK	6010/200.7
Mercury	0.16	0.10	mg/Kg	01/26/12		RS	SW-7471
Lead	173	0.41	mg/Kg	01/26/12		LK	6010/200.7
Selenium	< 1.6	1.6	mg/Kg	01/26/12		LK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	01/26/12		LK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	01/26/12		LK	E1312/SW6010
SPLP Barium	0.070	0.010	mg/L	01/26/12		LK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	01/26/12		LK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	01/26/12		LK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	01/26/12		RS	1312/SW7471
SPLP Lead	< 0.010	0.010	mg/L	02/08/12		LK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	01/26/12		LK	E1312/SW6010
Total Metals Digest	Completed			01/25/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/08/12		D/D	SW846-3005
Percent Solid	81		%	01/25/12		JL	E160.3
Soil Extraction for PCB	Completed			01/25/12		RB/F	SW3545
Soil Extraction SVOA BN	Completed			01/25/12		RB/R	SW3545
Extraction of CT ETPH	Completed			01/25/12		WS/F	3545
Mercury Digestion	Completed			01/26/12			SW7471
SPLP Digestion Mercury	Completed			01/26/12			E1312/SW7470
SPLP Extraction for Metals	Completed			02/07/12		D	EPA 1312
Field Extraction	Completed			01/24/12		TRC	SW5035

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD
Client ID: SB-6P 1.5-2.5

Phoenix I.D.: BB36635

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	12	mg/Kg	01/26/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	01/26/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	83		%	01/26/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	01/26/12		MH	SW 8082
PCB-1221	ND	400	ug/Kg	01/26/12		MH	SW 8082
PCB-1232	ND	400	ug/Kg	01/26/12		MH	SW 8082
PCB-1242	ND	400	ug/Kg	01/26/12		MH	SW 8082
PCB-1248	ND	400	ug/Kg	01/26/12		MH	SW 8082
PCB-1254	ND	400	ug/Kg	01/26/12		MH	SW 8082
PCB-1260	ND	400	ug/Kg	01/26/12		MH	SW 8082
PCB-1262	ND	400	ug/Kg	01/26/12		MH	SW 8082
PCB-1268	ND	400	ug/Kg	01/26/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	82		%	01/26/12		MH	30 - 150 %
% TCMX	88		%	01/26/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,1,1-Trichloroethane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.7	ug/Kg	01/26/12		R/J	SW8260
1,1,2-Trichloroethane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloropropene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichloropropane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichlorobenzene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloroethane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloropropane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichlorobenzene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichloropropane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
1,4-Dichlorobenzene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
2,2-Dichloropropane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
2-Chlorotoluene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
2-Hexanone	ND	31	ug/Kg	01/26/12		R/J	SW8260
2-Isopropyltoluene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
4-Chlorotoluene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
4-Methyl-2-pentanone	ND	31	ug/Kg	01/26/12		R/J	SW8260
Acetone	ND	120	ug/Kg	01/26/12		R/J	SW8260
Acrylonitrile	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Benzene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Bromobenzene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD Phoenix I.D.: BB36635
Client ID: SB-6P 1.5-2.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Bromodichloromethane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Bromoform	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Bromomethane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Carbon Disulfide	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Carbon tetrachloride	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Chlorobenzene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Chloroethane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Chloroform	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Chloromethane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Dibromochloromethane	ND	3.7	ug/Kg	01/26/12		R/J	SW8260
Dibromoethane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Dibromomethane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Dichlorodifluoromethane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Ethylbenzene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Hexachlorobutadiene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Isopropylbenzene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
m&p-Xylene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Methyl Ethyl Ketone	ND	37	ug/Kg	01/26/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	01/26/12		R/J	SW8260
Methylene chloride	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Naphthalene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
n-Butylbenzene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
n-Propylbenzene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
o-Xylene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
p-Isopropyltoluene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
sec-Butylbenzene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Styrene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
tert-Butylbenzene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Tetrachloroethene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	01/26/12		R/J	SW8260
Toluene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Total Xylenes	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	01/26/12		R/J	SW8260
Trichloroethene	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Trichlorofluoromethane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Trichlorotrifluoroethane	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
Vinyl chloride	ND	6.2	ug/Kg	01/26/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	01/26/12		R/J	70 - 130 %
% Bromofluorobenzene	90		%	01/26/12		R/J	70 - 130 %
% Dibromofluoromethane	105		%	01/26/12		R/J	70 - 130 %
% Toluene-d8	96		%	01/26/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Acenaphthene	ND	290	ug/Kg	01/26/12		KCA	SW 8270

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Phoenix I.D.: BB36635

Client ID: SB-6P 1.5-2.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Anthracene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Benz(a)anthracene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Benzo(a)pyrene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Benzo(ghi)perylene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Chrysene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Fluoranthene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Fluorene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Naphthalene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Phenanthrene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
Pyrene	ND	290	ug/Kg	01/26/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	77		%	01/26/12		KCA	30 - 130 %
% Nitrobenzene-d5	84		%	01/26/12		KCA	30 - 130 %
% Terphenyl-d14	83		%	01/26/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 08, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 08, 2012

FOR: Attn: Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/24/12	11:50
Location Code:	TRC-DAS	Received by:	LB	01/25/12	11:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB36630
Phoenix ID: BB36636

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Client ID: SB-7P 1.5-2.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.33	0.33	mg/Kg	01/26/12		LK	6010/200.7
Arsenic	< 0.67	0.67	mg/Kg	01/26/12		LK	6010/200.7
Barium	98.8	0.33	mg/Kg	01/30/12		EK	6010/200.7
Cadmium	0.46	0.33	mg/Kg	01/26/12		LK	6010/200.7
Chromium	20.3	0.33	mg/Kg	01/26/12		LK	6010/200.7
Mercury	< 0.08	0.08	mg/Kg	01/26/12		RS	SW-7471
Lead	8.74	0.33	mg/Kg	01/26/12		LK	6010/200.7
Selenium	< 1.3	1.3	mg/Kg	01/26/12		LK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	01/27/12		LK	E1312/SW6010
SPLP Barium	0.014	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	01/27/12		LK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	01/26/12		RS	1312/SW7471
SPLP Lead	< 0.010	0.010	mg/L	02/08/12		LK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	01/27/12		LK	E1312/SW6010
Total Metals Digest	Completed			01/25/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/08/12		D/D	SW846-3005
Percent Solid	96		%	01/25/12		JL	E160.3
Soil Extraction for PCB	Completed			01/25/12		RB/F	SW3545
Soil Extraction SVOA BN	Completed			01/25/12		RB/R	SW3545
Extraction of CT ETPH	Completed			01/25/12		WS/F	3545
Mercury Digestion	Completed			01/26/12			SW7471
SPLP Digestion Mercury	Completed			01/26/12			E1312/SW7470
SPLP Extraction for Metals	Completed			02/07/12		D	EPA 1312
Field Extraction	Completed			01/24/12		TRC	SW5035

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD
Client ID: SB-7P 1.5-2.5

Phoenix I.D.: BB36636

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	01/26/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	01/26/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	87		%	01/26/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1221	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1232	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1242	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1248	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1254	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1260	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1262	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1268	ND	340	ug/Kg	01/26/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	104		%	01/26/12		MH	30 - 150 %
% TCMX	97		%	01/26/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,1,1-Trichloroethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	01/26/12		R/J	SW8260
1,1,2-Trichloroethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloropropene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichloropropane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichlorobenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloroethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloropropane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichlorobenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichloropropane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,4-Dichlorobenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
2,2-Dichloropropane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
2-Chlorotoluene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
2-Hexanone	ND	26	ug/Kg	01/26/12		R/J	SW8260
2-Isopropyltoluene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
4-Chlorotoluene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
4-Methyl-2-pentanone	ND	26	ug/Kg	01/26/12		R/J	SW8260
Acetone	ND	100	ug/Kg	01/26/12		R/J	SW8260
Acrylonitrile	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Benzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Bromobenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD Phoenix I.D.: BB36636
Client ID: SB-7P 1.5-2.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Bromodichloromethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Bromoform	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Bromomethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Carbon Disulfide	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Carbon tetrachloride	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Chlorobenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Chloroethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Chloroform	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Chloromethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Dibromochloromethane	ND	3.1	ug/Kg	01/26/12		R/J	SW8260
Dibromoethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Dibromomethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Ethylbenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Hexachlorobutadiene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Isopropylbenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
m&p-Xylene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Methyl Ethyl Ketone	ND	31	ug/Kg	01/26/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	01/26/12		R/J	SW8260
Methylene chloride	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Naphthalene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
n-Butylbenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
n-Propylbenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
o-Xylene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
p-Isopropyltoluene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
sec-Butylbenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Styrene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
tert-Butylbenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Tetrachloroethene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	01/26/12		R/J	SW8260
Toluene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Total Xylenes	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	01/26/12		R/J	SW8260
Trichloroethene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Trichlorofluoromethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Vinyl chloride	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	01/26/12		R/J	70 - 130 %
% Bromofluorobenzene	94		%	01/26/12		R/J	70 - 130 %
% Dibromofluoromethane	106		%	01/26/12		R/J	70 - 130 %
% Toluene-d8	97		%	01/26/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Acenaphthene	ND	240	ug/Kg	01/26/12		KCA	SW 8270

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Phoenix I.D.: BB36636

Client ID: SB-7P 1.5-2.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Anthracene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Chrysene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Fluoranthene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Fluorene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Naphthalene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Phenanthrene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Pyrene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	76		%	01/26/12		KCA	30 - 130 %
% Nitrobenzene-d5	82		%	01/26/12		KCA	30 - 130 %
% Terphenyl-d14	65		%	01/26/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 08, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 08, 2012

FOR: Attn: Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/24/12	12:05
Location Code:	TRC-DAS	Received by:	LB	01/25/12	11:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB36630
Phoenix ID: BB36637

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Client ID: SB-9P 0-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.33	0.33	mg/Kg	01/26/12		LK	6010/200.7
Arsenic	< 0.66	0.66	mg/Kg	01/26/12		LK	6010/200.7
Barium	42.5	0.33	mg/Kg	01/30/12		EK	6010/200.7
Cadmium	< 0.33	0.33	mg/Kg	01/26/12		LK	6010/200.7
Chromium	15.0	0.33	mg/Kg	01/26/12		LK	6010/200.7
Mercury	< 0.08	0.08	mg/Kg	01/26/12		RS	SW-7471
Lead	4.60	0.33	mg/Kg	01/26/12		LK	6010/200.7
Selenium	< 1.3	1.3	mg/Kg	01/26/12		LK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	01/27/12		LK	E1312/SW6010
SPLP Barium	0.014	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	01/27/12		LK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	01/26/12		RS	1312/SW7471
SPLP Lead	< 0.010	0.010	mg/L	02/08/12		LK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	01/27/12		LK	E1312/SW6010
Total Metals Digest	Completed			01/25/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/08/12		D/D	SW846-3005
Percent Solid	96		%	01/25/12		JL	E160.3
Soil Extraction for PCB	Completed			01/25/12		RB/F	SW3545
Soil Extraction SVOA BN	Completed			01/25/12		RB/R	SW3545
Extraction of CT ETPH	Completed			01/25/12		WS/F	3545
Mercury Digestion	Completed			01/26/12			SW7471
SPLP Digestion Mercury	Completed			01/26/12			E1312/SW7470
SPLP Extraction for Metals	Completed			02/07/12		D	EPA 1312
Field Extraction	Completed			01/24/12		TRC	SW5035

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD
Client ID: SB-9P 0-2

Phoenix I.D.: BB36637

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	01/26/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	01/26/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	75		%	01/26/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1221	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1232	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1242	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1248	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1254	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1260	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1262	ND	340	ug/Kg	01/26/12		MH	SW 8082
PCB-1268	ND	340	ug/Kg	01/26/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	103		%	01/26/12		MH	30 - 150 %
% TCMX	98		%	01/26/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,1,1-Trichloroethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	01/26/12		R/J	SW8260
1,1,2-Trichloroethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloropropene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichloropropane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichlorobenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloroethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloropropane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichlorobenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichloropropane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
1,4-Dichlorobenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
2,2-Dichloropropane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
2-Chlorotoluene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
2-Hexanone	ND	26	ug/Kg	01/26/12		R/J	SW8260
2-Isopropyltoluene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
4-Chlorotoluene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
4-Methyl-2-pentanone	ND	26	ug/Kg	01/26/12		R/J	SW8260
Acetone	ND	100	ug/Kg	01/26/12		R/J	SW8260
Acrylonitrile	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Benzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Bromobenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD Phoenix I.D.: BB36637
Client ID: SB-9P 0-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Bromodichloromethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Bromoform	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Bromomethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Carbon Disulfide	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Carbon tetrachloride	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Chlorobenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Chloroethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Chloroform	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Chloromethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Dibromochloromethane	ND	3.1	ug/Kg	01/26/12		R/J	SW8260
Dibromoethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Dibromomethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Ethylbenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Hexachlorobutadiene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Isopropylbenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
m&p-Xylene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Methyl Ethyl Ketone	ND	31	ug/Kg	01/26/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	01/26/12		R/J	SW8260
Methylene chloride	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Naphthalene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
n-Butylbenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
n-Propylbenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
o-Xylene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
p-Isopropyltoluene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
sec-Butylbenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Styrene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
tert-Butylbenzene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Tetrachloroethene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	01/26/12		R/J	SW8260
Toluene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Total Xylenes	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	01/26/12		R/J	SW8260
Trichloroethene	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Trichlorofluoromethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
Vinyl chloride	ND	5.2	ug/Kg	01/26/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	01/26/12		R/J	70 - 130 %
% Bromofluorobenzene	93		%	01/26/12		R/J	70 - 130 %
% Dibromofluoromethane	100		%	01/26/12		R/J	70 - 130 %
% Toluene-d8	97		%	01/26/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Acenaphthene	ND	240	ug/Kg	01/26/12		KCA	SW 8270

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Phoenix I.D.: BB36637

Client ID: SB-9P 0-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Anthracene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Chrysene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Fluoranthene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Fluorene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Naphthalene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Phenanthrene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Pyrene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	71		%	01/26/12		KCA	30 - 130 %
% Nitrobenzene-d5	79		%	01/26/12		KCA	30 - 130 %
% Terphenyl-d14	62		%	01/26/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 08, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 08, 2012

FOR: Attn: Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/24/12	13:10
Location Code:	TRC-DAS	Received by:	LB	01/25/12	11:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB36630
Phoenix ID: BB36638

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Client ID: SB-15P 1-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	01/26/12		EK	6010/200.7
Arsenic	2.21	0.72	mg/Kg	01/26/12		EK	6010/200.7
Barium	90.0	0.36	mg/Kg	01/31/12		LK	6010/200.7
Cadmium	1.51	0.36	mg/Kg	01/26/12		EK	6010/200.7
Chromium	25.4	0.36	mg/Kg	01/26/12		EK	6010/200.7
Mercury	0.22	0.08	mg/Kg	01/26/12		RS	SW-7471
Lead	143	0.36	mg/Kg	01/26/12		EK	6010/200.7
Selenium	< 3.0	3.0	mg/Kg	01/26/12		EK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Arsenic	0.006	0.004	mg/L	01/27/12		LK	E1312/SW6010
SPLP Barium	0.099	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	01/27/12		LK	E1312/SW6010
SPLP Chromium	0.015	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	01/26/12		RS	1312/SW7471
SPLP Lead	0.147	0.010	mg/L	02/08/12		LK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	01/27/12		LK	E1312/SW6010
Total Metals Digest	Completed			01/25/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/08/12		D/D	SW846-3005
Percent Solid	86		%	01/25/12		JL	E160.3
Soil Extraction for PCB	Completed			01/25/12		RB/F	SW3545
Soil Extraction SVOA BN	Completed			01/25/12		RB/R	SW3545
Extraction of CT ETPH	Completed			01/25/12		WS/F	3545
Mercury Digestion	Completed			01/26/12			SW7471
SPLP Digestion Mercury	Completed			01/26/12			E1312/SW7470
SPLP Extraction for Metals	Completed			02/07/12		D	EPA 1312
Field Extraction	Completed			01/24/12		TRC	SW5035

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD
Client ID: SB-15P 1-2

Phoenix I.D.: BB36638

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	12	mg/Kg	01/26/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	01/26/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	75		%	01/26/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	01/26/12		MH	SW 8082
PCB-1221	ND	380	ug/Kg	01/26/12		MH	SW 8082
PCB-1232	ND	380	ug/Kg	01/26/12		MH	SW 8082
PCB-1242	ND	380	ug/Kg	01/26/12		MH	SW 8082
PCB-1248	ND	380	ug/Kg	01/26/12		MH	SW 8082
PCB-1254	ND	380	ug/Kg	01/26/12		MH	SW 8082
PCB-1260	ND	380	ug/Kg	01/26/12		MH	SW 8082
PCB-1262	ND	380	ug/Kg	01/26/12		MH	SW 8082
PCB-1268	ND	380	ug/Kg	01/26/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	94		%	01/26/12		MH	30 - 150 %
% TCMX	92		%	01/26/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,1,1-Trichloroethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	01/26/12		R/J	SW8260
1,1,2-Trichloroethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloropropene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichloropropane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichlorobenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloroethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloropropane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichlorobenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichloropropane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,4-Dichlorobenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
2,2-Dichloropropane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
2-Chlorotoluene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
2-Hexanone	ND	25	ug/Kg	01/26/12		R/J	SW8260
2-Isopropyltoluene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
4-Chlorotoluene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
4-Methyl-2-pentanone	ND	25	ug/Kg	01/26/12		R/J	SW8260
Acetone	ND	100	ug/Kg	01/26/12		R/J	SW8260
Acrylonitrile	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Benzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Bromobenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD Phoenix I.D.: BB36638
Client ID: SB-15P 1-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Bromodichloromethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Bromoform	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Bromomethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Carbon Disulfide	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Carbon tetrachloride	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Chlorobenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Chloroethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Chloroform	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Chloromethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Dibromochloromethane	ND	3.0	ug/Kg	01/26/12		R/J	SW8260
Dibromoethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Dibromomethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Ethylbenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Hexachlorobutadiene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Isopropylbenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
m&p-Xylene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	01/26/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	01/26/12		R/J	SW8260
Methylene chloride	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Naphthalene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
n-Butylbenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
n-Propylbenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
o-Xylene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
p-Isopropyltoluene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
sec-Butylbenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Styrene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
tert-Butylbenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Tetrachloroethene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	01/26/12		R/J	SW8260
Toluene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Total Xylenes	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	01/26/12		R/J	SW8260
Trichloroethene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Trichlorofluoromethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Vinyl chloride	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	01/26/12		R/J	70 - 130 %
% Bromofluorobenzene	87		%	01/26/12		R/J	70 - 130 %
% Dibromofluoromethane	103		%	01/26/12		R/J	70 - 130 %
% Toluene-d8	95		%	01/26/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	01/26/12		KCA	SW 8270
Acenaphthene	ND	260	ug/Kg	01/26/12		KCA	SW 8270

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Phoenix I.D.: BB36638

Client ID: SB-15P 1-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	260	ug/Kg	01/26/12		KCA	SW 8270
Anthracene	ND	260	ug/Kg	01/26/12		KCA	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	01/26/12		KCA	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	01/26/12		KCA	SW 8270
Benzo(b)fluoranthene	300	260	ug/Kg	01/26/12		KCA	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	01/26/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	01/26/12		KCA	SW 8270
Chrysene	ND	260	ug/Kg	01/26/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	01/26/12		KCA	SW 8270
Fluoranthene	420	260	ug/Kg	01/26/12		KCA	SW 8270
Fluorene	ND	260	ug/Kg	01/26/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	01/26/12		KCA	SW 8270
Naphthalene	ND	260	ug/Kg	01/26/12		KCA	SW 8270
Phenanthrene	ND	260	ug/Kg	01/26/12		KCA	SW 8270
Pyrene	370	260	ug/Kg	01/26/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	71		%	01/26/12		KCA	30 - 130 %
% Nitrobenzene-d5	84		%	01/26/12		KCA	30 - 130 %
% Terphenyl-d14	82		%	01/26/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 08, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 08, 2012

FOR: Attn: Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/24/12	13:20
Location Code:	TRC-DAS	Received by:	LB	01/25/12	11:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB36630
Phoenix ID: BB36639

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Client ID: SB-14P 0-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.42	0.42	mg/Kg	01/26/12		LK	6010/200.7
Arsenic	1.13	0.84	mg/Kg	01/26/12		LK	6010/200.7
Barium	121	0.42	mg/Kg	01/26/12		LK	6010/200.7
Cadmium	0.58	0.42	mg/Kg	01/26/12		LK	6010/200.7
Chromium	33.5	0.42	mg/Kg	01/26/12		LK	6010/200.7
Mercury	< 0.09	0.09	mg/Kg	01/26/12		RS	SW-7471
Lead	22.7	0.42	mg/Kg	01/26/12		LK	6010/200.7
Selenium	< 1.7	1.7	mg/Kg	01/26/12		LK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Arsenic	0.004	0.004	mg/L	01/27/12		LK	E1312/SW6010
SPLP Barium	0.057	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	01/27/12		LK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	01/26/12		RS	1312/SW7471
SPLP Lead	0.013	0.010	mg/L	02/08/12		LK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	01/27/12		LK	E1312/SW6010
Total Metals Digest	Completed			01/25/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/08/12		D/D	SW846-3005
Percent Solid	71		%	01/25/12		JL	E160.3
Soil Extraction for PCB	Completed			01/25/12		RB/F	SW3545
Soil Extraction SVOA BN	Completed			01/25/12		RB/R	SW3545
Extraction of CT ETPH	Completed			01/25/12		WS/F	3545
Mercury Digestion	Completed			01/26/12			SW7471
SPLP Digestion Mercury	Completed			01/26/12			E1312/SW7470
SPLP Extraction for Metals	Completed			02/07/12		D	EPA 1312
Field Extraction	Completed			01/24/12		TRC	SW5035

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD
Client ID: SB-14P 0-2

Phoenix I.D.: BB36639

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	14	mg/Kg	01/26/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	01/26/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	115		%	01/26/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	470	ug/Kg	01/26/12		MH	SW 8082
PCB-1221	ND	470	ug/Kg	01/26/12		MH	SW 8082
PCB-1232	ND	470	ug/Kg	01/26/12		MH	SW 8082
PCB-1242	ND	470	ug/Kg	01/26/12		MH	SW 8082
PCB-1248	ND	470	ug/Kg	01/26/12		MH	SW 8082
PCB-1254	ND	470	ug/Kg	01/26/12		MH	SW 8082
PCB-1260	ND	470	ug/Kg	01/26/12		MH	SW 8082
PCB-1262	ND	470	ug/Kg	01/26/12		MH	SW 8082
PCB-1268	ND	470	ug/Kg	01/26/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	87		%	01/26/12		MH	30 - 150 %
% TCMX	93		%	01/26/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,1,1-Trichloroethane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	4.2	ug/Kg	01/29/12		R/J	SW8260
1,1,2-Trichloroethane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,1-Dichloroethane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,1-Dichloroethene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,1-Dichloropropene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,2,3-Trichloropropane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,2-Dichlorobenzene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,2-Dichloroethane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,2-Dichloropropane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,3-Dichlorobenzene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,3-Dichloropropane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
1,4-Dichlorobenzene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
2,2-Dichloropropane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
2-Chlorotoluene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
2-Hexanone	ND	35	ug/Kg	01/29/12		R/J	SW8260
2-Isopropyltoluene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
4-Chlorotoluene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
4-Methyl-2-pentanone	ND	35	ug/Kg	01/29/12		R/J	SW8260
Acetone	ND	140	ug/Kg	01/29/12		R/J	SW8260
Acrylonitrile	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Benzene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Bromobenzene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD Phoenix I.D.: BB36639
Client ID: SB-14P 0-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Bromodichloromethane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Bromoform	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Bromomethane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Carbon Disulfide	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Carbon tetrachloride	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Chlorobenzene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Chloroethane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Chloroform	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Chloromethane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Dibromochloromethane	ND	4.2	ug/Kg	01/29/12		R/J	SW8260
Dibromoethane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Dibromomethane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Dichlorodifluoromethane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Ethylbenzene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Hexachlorobutadiene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Isopropylbenzene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
m&p-Xylene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Methyl Ethyl Ketone	ND	42	ug/Kg	01/29/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	14	ug/Kg	01/29/12		R/J	SW8260
Methylene chloride	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Naphthalene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
n-Butylbenzene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
n-Propylbenzene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
o-Xylene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
p-Isopropyltoluene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
sec-Butylbenzene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Styrene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
tert-Butylbenzene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Tetrachloroethene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	14	ug/Kg	01/29/12		R/J	SW8260
Toluene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Total Xylenes	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	14	ug/Kg	01/29/12		R/J	SW8260
Trichloroethene	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Trichlorofluoromethane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Trichlorotrifluoroethane	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
Vinyl chloride	ND	7.0	ug/Kg	01/29/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	01/29/12		R/J	70 - 130 %
% Bromofluorobenzene	75		%	01/29/12		R/J	70 - 130 %
% Dibromofluoromethane	108		%	01/29/12		R/J	70 - 130 %
% Toluene-d8	90		%	01/29/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	320	ug/Kg	01/26/12		KCA	SW 8270
Acenaphthene	ND	320	ug/Kg	01/26/12		KCA	SW 8270

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Phoenix I.D.: BB36639

Client ID: SB-14P 0-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	320	ug/Kg	01/26/12		KCA	SW 8270
Anthracene	ND	320	ug/Kg	01/26/12		KCA	SW 8270
Benz(a)anthracene	480	320	ug/Kg	01/26/12		KCA	SW 8270
Benzo(a)pyrene	550	320	ug/Kg	01/26/12		KCA	SW 8270
Benzo(b)fluoranthene	930	320	ug/Kg	01/26/12		KCA	SW 8270
Benzo(ghi)perylene	440	320	ug/Kg	01/26/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	320	ug/Kg	01/26/12		KCA	SW 8270
Chrysene	500	320	ug/Kg	01/26/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	320	ug/Kg	01/26/12		KCA	SW 8270
Fluoranthene	800	320	ug/Kg	01/26/12		KCA	SW 8270
Fluorene	ND	320	ug/Kg	01/26/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	370	320	ug/Kg	01/26/12		KCA	SW 8270
Naphthalene	ND	320	ug/Kg	01/26/12		KCA	SW 8270
Phenanthrene	ND	320	ug/Kg	01/26/12		KCA	SW 8270
Pyrene	650	320	ug/Kg	01/26/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	80		%	01/26/12		KCA	30 - 130 %
% Nitrobenzene-d5	96		%	01/26/12		KCA	30 - 130 %
% Terphenyl-d14	74		%	01/26/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 08, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 08, 2012

FOR: Attn: Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/24/12	13:30
Location Code:	TRC-DAS	Received by:	LB	01/25/12	11:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB36630
Phoenix ID: BB36640

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Client ID: SB-12P 0.5-1.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	01/26/12		EK	6010/200.7
Arsenic	< 0.73	0.73	mg/Kg	01/26/12		EK	6010/200.7
Barium	41.4	0.37	mg/Kg	01/28/12		EK	6010/200.7
Cadmium	0.50	0.37	mg/Kg	01/26/12		EK	6010/200.7
Chromium	14.7	0.37	mg/Kg	01/26/12		EK	6010/200.7
Mercury	< 0.07	0.07	mg/Kg	01/26/12		RS	SW-7471
Lead	25.4	0.37	mg/Kg	01/26/12		EK	6010/200.7
Selenium	< 1.5	1.5	mg/Kg	01/26/12		EK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	01/27/12		LK	E1312/SW6010
SPLP Barium	0.037	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	01/27/12		LK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	01/26/12		RS	1312/SW7471
SPLP Lead	< 0.010	0.010	mg/L	02/08/12		LK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	01/27/12		LK	E1312/SW6010
Total Metals Digest	Completed			01/25/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/08/12		D/D	SW846-3005
Percent Solid	96		%	01/25/12		JL	E160.3
Soil Extraction for PCB	Completed			01/25/12		RB/F	SW3545
Soil Extraction SVOA BN	Completed			01/25/12		RB/R	SW3545
Extraction of CT ETPH	Completed			01/25/12		WS/F	3545
Mercury Digestion	Completed			01/26/12			SW7471
SPLP Digestion Mercury	Completed			01/26/12			E1312/SW7470
SPLP Extraction for Metals	Completed			02/07/12		D	EPA 1312
Field Extraction	Completed			01/24/12		TRC	SW5035

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD
Client ID: SB-12P 0.5-1.5

Phoenix I.D.: BB36640

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	01/26/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	01/26/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	82		%	01/26/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	01/26/12		MH	SW 8082
PCB-1221	ND	350	ug/Kg	01/26/12		MH	SW 8082
PCB-1232	ND	350	ug/Kg	01/26/12		MH	SW 8082
PCB-1242	ND	350	ug/Kg	01/26/12		MH	SW 8082
PCB-1248	ND	350	ug/Kg	01/26/12		MH	SW 8082
PCB-1254	ND	350	ug/Kg	01/26/12		MH	SW 8082
PCB-1260	ND	350	ug/Kg	01/26/12		MH	SW 8082
PCB-1262	ND	350	ug/Kg	01/26/12		MH	SW 8082
PCB-1268	ND	350	ug/Kg	01/26/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	94		%	01/26/12		MH	30 - 150 %
% TCMX	85		%	01/26/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,1,1-Trichloroethane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	01/26/12		R/J	SW8260
1,1,2-Trichloroethane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloropropene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichloropropane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichlorobenzene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloroethane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloropropane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichlorobenzene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichloropropane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
1,4-Dichlorobenzene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
2,2-Dichloropropane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
2-Chlorotoluene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
2-Hexanone	ND	27	ug/Kg	01/26/12		R/J	SW8260
2-Isopropyltoluene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
4-Chlorotoluene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
4-Methyl-2-pentanone	ND	27	ug/Kg	01/26/12		R/J	SW8260
Acetone	ND	110	ug/Kg	01/26/12		R/J	SW8260
Acrylonitrile	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Benzene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Bromobenzene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD Phoenix I.D.: BB36640
Client ID: SB-12P 0.5-1.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Bromodichloromethane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Bromoform	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Bromomethane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Carbon Disulfide	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Carbon tetrachloride	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Chlorobenzene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Chloroethane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Chloroform	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Chloromethane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Dibromochloromethane	ND	3.3	ug/Kg	01/26/12		R/J	SW8260
Dibromoethane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Dibromomethane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Ethylbenzene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Hexachlorobutadiene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Isopropylbenzene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
m&p-Xylene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Methyl Ethyl Ketone	ND	33	ug/Kg	01/26/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/26/12		R/J	SW8260
Methylene chloride	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Naphthalene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
n-Butylbenzene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
n-Propylbenzene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
o-Xylene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
p-Isopropyltoluene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
sec-Butylbenzene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Styrene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
tert-Butylbenzene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Tetrachloroethene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/26/12		R/J	SW8260
Toluene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Total Xylenes	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/26/12		R/J	SW8260
Trichloroethene	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Trichlorofluoromethane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
Vinyl chloride	ND	5.4	ug/Kg	01/26/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	01/26/12		R/J	70 - 130 %
% Bromofluorobenzene	96		%	01/26/12		R/J	70 - 130 %
% Dibromofluoromethane	106		%	01/26/12		R/J	70 - 130 %
% Toluene-d8	96		%	01/26/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Acenaphthene	ND	240	ug/Kg	01/26/12		KCA	SW 8270

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Phoenix I.D.: BB36640

Client ID: SB-12P 0.5-1.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Anthracene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Chrysene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Fluoranthene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Fluorene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Naphthalene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Phenanthrene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
Pyrene	ND	240	ug/Kg	01/26/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	68		%	01/26/12		KCA	30 - 130 %
% Nitrobenzene-d5	80		%	01/26/12		KCA	30 - 130 %
% Terphenyl-d14	68		%	01/26/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 08, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 08, 2012

FOR: Attn: Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/24/12	13:50
Location Code:	TRC-DAS	Received by:	LB	01/25/12	11:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB36630
Phoenix ID: BB36641

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Client ID: SB-13P 0.5-1.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.33	0.33	mg/Kg	01/27/12		LK	6010/200.7
Arsenic	< 0.67	0.67	mg/Kg	01/27/12		LK	6010/200.7
Barium	38.2	0.33	mg/Kg	01/27/12		EK	6010/200.7
Cadmium	0.92	0.33	mg/Kg	01/27/12		LK	6010/200.7
Chromium	131	0.33	mg/Kg	01/27/12		LK	6010/200.7
Mercury	< 0.09	0.09	mg/Kg	01/26/12		RS	SW-7471
Lead	6.25	0.33	mg/Kg	01/27/12		LK	6010/200.7
Selenium	< 1.3	1.3	mg/Kg	01/27/12		LK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	01/27/12		LK	E1312/SW6010
SPLP Barium	0.023	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	01/27/12		LK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	01/26/12		RS	1312/SW7471
SPLP Lead	< 0.010	0.010	mg/L	02/08/12		LK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	01/27/12		LK	E1312/SW6010
Total Metals Digest	Completed			01/26/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/08/12		D/D	SW846-3005
Percent Solid	90		%	01/25/12		JL	E160.3
Soil Extraction for PCB	Completed			01/25/12		RB/F	SW3545
Soil Extraction SVOA BN	Completed			01/25/12		RB/R	SW3545
Extraction of CT ETPH	Completed			01/25/12		WS/F	3545
Mercury Digestion	Completed			01/26/12			SW7471
SPLP Digestion Mercury	Completed			01/26/12			E1312/SW7470
SPLP Extraction for Metals	Completed			02/07/12		D	EPA 1312
Field Extraction	Completed			01/24/12		TRC	SW5035

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD
Client ID: SB-13P 0.5-1.5

Phoenix I.D.: BB36641

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	11	mg/Kg	01/26/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	01/26/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	94		%	01/26/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	01/26/12		MH	SW 8082
PCB-1221	ND	360	ug/Kg	01/26/12		MH	SW 8082
PCB-1232	ND	360	ug/Kg	01/26/12		MH	SW 8082
PCB-1242	ND	360	ug/Kg	01/26/12		MH	SW 8082
PCB-1248	ND	360	ug/Kg	01/26/12		MH	SW 8082
PCB-1254	ND	360	ug/Kg	01/26/12		MH	SW 8082
PCB-1260	ND	360	ug/Kg	01/26/12		MH	SW 8082
PCB-1262	ND	360	ug/Kg	01/26/12		MH	SW 8082
PCB-1268	ND	360	ug/Kg	01/26/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	95		%	01/26/12		MH	30 - 150 %
% TCMX	93		%	01/26/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,1,1-Trichloroethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	01/26/12		R/J	SW8260
1,1,2-Trichloroethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloropropene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichloropropane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichlorobenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloroethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloropropane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichlorobenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichloropropane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
1,4-Dichlorobenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
2,2-Dichloropropane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
2-Chlorotoluene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
2-Hexanone	ND	25	ug/Kg	01/26/12		R/J	SW8260
2-Isopropyltoluene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
4-Chlorotoluene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
4-Methyl-2-pentanone	ND	25	ug/Kg	01/26/12		R/J	SW8260
Acetone	ND	100	ug/Kg	01/26/12		R/J	SW8260
Acrylonitrile	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Benzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Bromobenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD Phoenix I.D.: BB36641
Client ID: SB-13P 0.5-1.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Bromodichloromethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Bromoform	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Bromomethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Carbon Disulfide	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Carbon tetrachloride	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Chlorobenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Chloroethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Chloroform	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Chloromethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Dibromochloromethane	ND	3.0	ug/Kg	01/26/12		R/J	SW8260
Dibromoethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Dibromomethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Ethylbenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Hexachlorobutadiene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Isopropylbenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
m&p-Xylene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	01/26/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	01/26/12		R/J	SW8260
Methylene chloride	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Naphthalene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
n-Butylbenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
n-Propylbenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
o-Xylene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
p-Isopropyltoluene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
sec-Butylbenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Styrene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
tert-Butylbenzene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Tetrachloroethene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	01/26/12		R/J	SW8260
Toluene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Total Xylenes	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	01/26/12		R/J	SW8260
Trichloroethene	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Trichlorofluoromethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
Vinyl chloride	ND	5.1	ug/Kg	01/26/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	01/26/12		R/J	70 - 130 %
% Bromofluorobenzene	81		%	01/26/12		R/J	70 - 130 %
% Dibromofluoromethane	100		%	01/26/12		R/J	70 - 130 %
% Toluene-d8	96		%	01/26/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Acenaphthene	ND	250	ug/Kg	01/26/12		KCA	SW 8270

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Phoenix I.D.: BB36641

Client ID: SB-13P 0.5-1.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Anthracene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Chrysene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Fluoranthene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Fluorene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Naphthalene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Phenanthrene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
Pyrene	ND	250	ug/Kg	01/26/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	68		%	01/26/12		KCA	30 - 130 %
% Nitrobenzene-d5	83		%	01/26/12		KCA	30 - 130 %
% Terphenyl-d14	86		%	01/26/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 08, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 08, 2012

FOR: Attn: Chris Carlson
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/24/12	14:15
Location Code:	TRC-DAS	Received by:	LB	01/25/12	11:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB36630
Phoenix ID: BB36642

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Client ID: SB-16P 1.5-2.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	01/26/12		EK	6010/200.7
Arsenic	1.08	0.76	mg/Kg	01/26/12		EK	6010/200.7
Barium	92.4	3.8	mg/Kg	01/28/12		LK	6010/200.7
Cadmium	0.84	0.38	mg/Kg	01/26/12		EK	6010/200.7
Chromium	28.8	0.38	mg/Kg	01/26/12		EK	6010/200.7
Mercury	< 0.07	0.07	mg/Kg	01/26/12		RS	SW-7471
Lead	9.32	0.38	mg/Kg	01/26/12		EK	6010/200.7
Selenium	< 3.0	3.0	mg/Kg	01/26/12		EK	6010/200.7
SPLP Silver	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	01/27/12		LK	E1312/SW6010
SPLP Barium	0.011	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	01/27/12		LK	E1312/SW6010
SPLP Chromium	< 0.010	0.010	mg/L	01/27/12		LK	E1312/SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	01/26/12		RS	1312/SW7471
SPLP Lead	< 0.010	0.010	mg/L	02/08/12		LK	E1312/SW6010
SPLP Selenium	< 0.020	0.020	mg/L	01/27/12		LK	E1312/SW6010
Total Metals Digest	Completed			01/25/12		AG	SW846 - 3050
SPLP Metals Digestion	Completed			02/08/12		D/D	SW846-3005
Percent Solid	90		%	01/25/12		JL	E160.3
Soil Extraction for PCB	Completed			01/25/12		RB/F	SW3545
Soil Extraction SVOA BN	Completed			01/25/12		RB/R	SW3545
Extraction of CT ETPH	Completed			01/25/12		WS/F	3545
Mercury Digestion	Completed			01/26/12			SW7471
SPLP Digestion Mercury	Completed			01/26/12			E1312/SW7470
SPLP Extraction for Metals	Completed			02/07/12		D	EPA 1312
Field Extraction	Completed			01/24/12		TRC	SW5035

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD
Client ID: SB-16P 1.5-2.5

Phoenix I.D.: BB36642

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	11	mg/Kg	01/26/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	01/26/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	89		%	01/26/12		JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	01/26/12		MH	SW 8082
PCB-1221	ND	360	ug/Kg	01/26/12		MH	SW 8082
PCB-1232	ND	360	ug/Kg	01/26/12		MH	SW 8082
PCB-1242	ND	360	ug/Kg	01/26/12		MH	SW 8082
PCB-1248	ND	360	ug/Kg	01/26/12		MH	SW 8082
PCB-1254	ND	360	ug/Kg	01/26/12		MH	SW 8082
PCB-1260	ND	360	ug/Kg	01/26/12		MH	SW 8082
PCB-1262	ND	360	ug/Kg	01/26/12		MH	SW 8082
PCB-1268	ND	360	ug/Kg	01/26/12		MH	SW 8082
QA/QC Surrogates							
% DCBP	86		%	01/26/12		MH	30 - 150 %
% TCMX	84		%	01/26/12		MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,1,1-Trichloroethane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg	01/26/12		R/J	SW8260
1,1,2-Trichloroethane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloroethene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,1-Dichloropropene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,2,3-Trichloropropane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichlorobenzene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloroethane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,2-Dichloropropane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichlorobenzene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,3-Dichloropropane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
1,4-Dichlorobenzene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
2,2-Dichloropropane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
2-Chlorotoluene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
2-Hexanone	ND	27	ug/Kg	01/26/12		R/J	SW8260
2-Isopropyltoluene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
4-Chlorotoluene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
4-Methyl-2-pentanone	ND	27	ug/Kg	01/26/12		R/J	SW8260
Acetone	ND	110	ug/Kg	01/26/12		R/J	SW8260
Acrylonitrile	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Benzene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Bromobenzene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD Phoenix I.D.: BB36642
Client ID: SB-16P 1.5-2.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromochloromethane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Bromodichloromethane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Bromoform	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Bromomethane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Carbon Disulfide	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Carbon tetrachloride	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Chlorobenzene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Chloroethane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Chloroform	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Chloromethane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Dibromochloromethane	ND	3.2	ug/Kg	01/26/12		R/J	SW8260
Dibromoethane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Dibromomethane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Ethylbenzene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Hexachlorobutadiene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Isopropylbenzene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
m&p-Xylene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Methyl Ethyl Ketone	ND	32	ug/Kg	01/26/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/26/12		R/J	SW8260
Methylene chloride	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Naphthalene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
n-Butylbenzene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
n-Propylbenzene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
o-Xylene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
p-Isopropyltoluene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
sec-Butylbenzene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Styrene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
tert-Butylbenzene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Tetrachloroethene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/26/12		R/J	SW8260
Toluene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Total Xylenes	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/26/12		R/J	SW8260
Trichloroethene	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Trichlorofluoromethane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
Vinyl chloride	ND	5.3	ug/Kg	01/26/12		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	01/26/12		R/J	70 - 130 %
% Bromofluorobenzene	89		%	01/26/12		R/J	70 - 130 %
% Dibromofluoromethane	80		%	01/26/12		R/J	70 - 130 %
% Toluene-d8	97		%	01/26/12		R/J	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	250	ug/Kg	01/25/12		KCA	SW 8270
Acenaphthene	ND	250	ug/Kg	01/25/12		KCA	SW 8270

Project ID: CONN DOT LOCAL ROADS-HOPE ST., STAMFORD

Phoenix I.D.: BB36642

Client ID: SB-16P 1.5-2.5

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	250	ug/Kg	01/25/12		KCA	SW 8270
Anthracene	ND	250	ug/Kg	01/25/12		KCA	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	01/25/12		KCA	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	01/25/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	01/25/12		KCA	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	01/25/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	01/25/12		KCA	SW 8270
Chrysene	ND	250	ug/Kg	01/25/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	01/25/12		KCA	SW 8270
Fluoranthene	ND	250	ug/Kg	01/25/12		KCA	SW 8270
Fluorene	ND	250	ug/Kg	01/25/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	01/25/12		KCA	SW 8270
Naphthalene	ND	250	ug/Kg	01/25/12		KCA	SW 8270
Phenanthrene	ND	250	ug/Kg	01/25/12		KCA	SW 8270
Pyrene	ND	250	ug/Kg	01/25/12		KCA	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	80		%	01/25/12		KCA	30 - 130 %
% Nitrobenzene-d5	84		%	01/25/12		KCA	30 - 130 %
% Terphenyl-d14	67		%	01/25/12		KCA	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 08, 2012

PHOENIX

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

February 08, 2012

QA/QC Data

SDG I.D.: GBB36630

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 193219, QC Sample No: BB36630 (BB36630)													
Mercury - Soil	BDL	<0.08	<0.08	NC	98.0	96.7	1.3	104	103	1.0	70 - 130	30	
QA/QC Batch 194002, QC Sample No: BB36635 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637, BB36638, BB36639, BB36640, BB36641, BB36642)													
ICP Metals - SPLP Extraction													
Arsenic	BDL	<0.004	<0.004	NC	110	102	7.5	98.3	107	8.5	75 - 125	20	
Barium	BDL	0.070	0.069	1.40	111	105	5.6	100	107	6.8	75 - 125	20	
Cadmium	BDL	<0.005	<0.005	NC	111	106	4.6	102	108	5.7	75 - 125	20	
Chromium	BDL	<0.010	<0.010	NC	110	104	5.6	99.8	106	6.0	75 - 125	20	
Lead	BDL	<0.010	<0.010	NC	110	104	5.6	101	107	5.8	75 - 125	20	
Selenium	BDL	<0.020	<0.020	NC	108	101	6.7	96.5	106	9.4	75 - 125	20	
Silver	BDL	<0.010	<0.010	NC	109	103	5.7	98.3	105	6.6	75 - 125	20	
QA/QC Batch 193269, QC Sample No: BB36635 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637, BB36638, BB36639, BB36640, BB36641, BB36642)													
Mercury - Water	BDL	<0.0004	<0.0004	NC	112	103	8.4	104	111	6.5	70 - 130	20	
QA/QC Batch 193220, QC Sample No: BB36639 (BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637, BB36638, BB36639, BB36640, BB36641, BB36642)													
Mercury - Soil	BDL	<0.09	<0.10	NC	94.5	97.0	2.6	113	114	0.9	70 - 130	30	
QA/QC Batch 193189, QC Sample No: BB36682 (BB36640, BB36642)													
ICP Metals - Soil													
Arsenic	BDL	4.40	4.72	7.00	99.9	98.9	1.0	91.0	84.9	6.9	75 - 125	30	
Barium	BDL	30.3	25.5	17.2	108	95.9	11.9	89.0	88.7	0.3	75 - 125	30	
Cadmium	BDL	<0.40	<0.39	NC	111	106	4.6	93.4	86.0	8.2	75 - 125	30	
Chromium	BDL	17.2	18.0	4.50	108	107	0.9	93.9	93.3	0.6	75 - 125	30	
Lead	BDL	8.8	10.3	15.7	104	102	1.9	97.8	89.8	8.5	75 - 125	30	
Selenium	BDL	<1.2	<1.6	NC	99.7	94.5	5.4	87.2	81.7	6.5	75 - 125	30	
Silver	BDL	<0.40	<0.39	NC	94.8	102	7.3	92.7	86.5	6.9	75 - 125	30	
QA/QC Batch 193188, QC Sample No: BB36736 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637, BB36638)													
ICP Metals - Soil													
Arsenic	BDL	6.76	6.17	9.10	91.9	98.0	6.4	87.9	86.6	1.5	75 - 125	30	
Barium	BDL	44.4	42.0	5.60	103	110	6.6	>130	92.1	NC	75 - 125	30	m
Cadmium	BDL	<0.44	<0.37	NC	109	109	0.0	92.7	91.3	1.5	75 - 125	30	
Chromium	BDL	25.3	23.4	7.80	104	104	0.0	92.1	93.0	1.0	75 - 125	30	
Lead	BDL	46.9	45.3	3.50	96.5	99.2	2.8	109	107	1.9	75 - 125	30	
Selenium	BDL	<0.44	<1.5	NC	90.7	94.8	4.4	86.2	85.7	0.6	75 - 125	30	
Silver	BDL	<0.44	<0.37	NC	91.7	100	8.7	93.8	94.1	0.3	75 - 125	30	
QA/QC Batch 193191, QC Sample No: BB36764 (BB36639)													
ICP Metals - Soil													
Arsenic	BDL	6.21	6.18	0.50	94.7	99.9	5.3	90.5	88.6	2.1	75 - 125	30	
Barium	BDL	53.3	58.1	8.60	103	105	1.9	>130	>130	NC	75 - 125	30	m
Cadmium	BDL	<0.45	<0.43	NC	105	107	1.9	90.6	90.0	0.7	75 - 125	30	

QA/QC Data

SDG I.D.: GBB36630

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Chromium	BDL	27.7	25.3	9.10	105	108	2.8	90.3	93.2	3.2	75 - 125	30
Lead	BDL	25.1	20.2	21.6	95.9	98.3	2.5	97.7	96.9	0.8	75 - 125	30
Selenium	BDL	<0.45	<1.7	NC	98.8	98.7	0.1	87.8	87.2	0.7	75 - 125	30
Silver	BDL	<0.45	<0.43	NC	93.5	112	18.0	97.0	95.4	1.7	75 - 125	30
QA/QC Batch 193284, QC Sample No: BB37310 (BB36641)												
ICP Metals - Soil												
Arsenic	BDL	<0.78	0.79	NC	98.8	98.9	0.1	91.3	93.7	2.6	75 - 125	30
Barium	BDL	34.1	34.2	0.30	106	110	3.7	105	107	1.9	75 - 125	30
Cadmium	BDL	<0.39	<0.39	NC	96.8	101	4.2	93.1	93.1	0.0	75 - 125	30
Chromium	BDL	7.73	7.90	2.20	98.2	102	3.8	93.7	94.2	0.5	75 - 125	30
Lead	BDL	7.09	6.91	2.60	104	98.3	5.6	95.5	96.2	0.7	75 - 125	30
Selenium	BDL	<1.6	<1.6	NC	91.4	92.0	0.7	85.5	87.3	2.1	75 - 125	30
Silver	BDL	<0.39	<0.39	NC	95.9	98.6	2.8	89.9	94.5	5.0	75 - 125	30

m = This parameter is outside laboratory ms/msd specified recovery limits.

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

February 08, 2012

QA/QC Data

SDG I.D.: GBB36630

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 193107, QC Sample No: BB36246 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	72	74	2.7	95	89	6.5	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	77	90	15.6	*	*	NC	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	89	82	84	2.4	79	78	1.3	30 - 150	30
% TCMX (Surrogate Rec)	99	83	86	3.6	78	77	1.3	30 - 150	30

Comment:

* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QA/QC Batch 193104, QC Sample No: BB36246 (BB36630, BB36631, BB36632, BB36633)									
Polynuclear Aromatic HC - Soil									
2-Methylnaphthalene	ND	73	75	2.7	84	84	0.0	30 - 130	30
Acenaphthene	ND	72	72	0.0	83	83	0.0	30 - 130	30
Acenaphthylene	ND	72	68	5.7	87	88	1.1	30 - 130	30
Anthracene	ND	78	78	0.0	95	93	2.1	30 - 130	30
Benz(a)anthracene	ND	82	81	1.2	102	106	3.8	30 - 130	30
Benzo(a)pyrene	ND	78	76	2.6	102	102	0.0	30 - 130	30
Benzo(b)fluoranthene	ND	88	86	2.3	111	124	11.1	30 - 130	30
Benzo(ghi)perylene	ND	79	79	0.0	117	96	19.7	30 - 130	30
Benzo(k)fluoranthene	ND	87	82	5.9	109	107	1.9	30 - 130	30
Chrysene	ND	80	81	1.2	101	101	0.0	30 - 130	30
Dibenz(a,h)anthracene	ND	77	86	11.0	105	101	3.9	30 - 130	30
Fluoranthene	ND	76	75	1.3	117	97	18.7	30 - 130	30
Fluorene	ND	73	78	6.6	88	93	5.5	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	80	82	2.5	113	104	8.3	30 - 130	30
Naphthalene	ND	71	65	8.8	82	84	2.4	30 - 130	30
Phenanthrene	ND	81	78	3.8	111	98	12.4	30 - 130	30
Pyrene	ND	77	78	1.3	116	101	13.8	30 - 130	30
% 2-Fluorobiphenyl	54	67	67	0.0	75	76	1.3	30 - 130	30
% Nitrobenzene-d5	63	75	77	2.6	85	89	4.6	30 - 130	30
% Terphenyl-d14	47	59	67	12.7	68	79	15.0	30 - 130	30
QA/QC Batch 193117, QC Sample No: BB36485 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36635)									
TPH by GC (Extractable Products) - Soil									
Ext. Petroleum HC	ND	64	65	1.6	55	60	8.7	50 - 150	30
% n-Pentacosane	116	96	95	1.0	88	96	8.7	50 - 150	30

QA/QC Data

SDG I.D.: GBB36630

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 193122, QC Sample No: BB36554 (BB36634, BB36635, BB36636, BB36637, BB36638, BB36639, BB36640, BB36641, BB36642)										
Polynuclear Aromatic HC - Soil										
2-Methylnaphthalene	ND	90	88	2.2	87	88	1.1	30 - 130	30	
Acenaphthene	ND	88	86	2.3	86	87	1.2	30 - 130	30	
Acenaphthylene	ND	86	87	1.2	83	85	2.4	30 - 130	30	
Anthracene	ND	91	89	2.2	88	89	1.1	30 - 130	30	
Benz(a)anthracene	ND	95	94	1.1	95	94	1.1	30 - 130	30	
Benzo(a)pyrene	ND	88	88	0.0	86	87	1.2	30 - 130	30	
Benzo(b)fluoranthene	ND	88	90	2.2	91	93	2.2	30 - 130	30	
Benzo(ghi)perylene	ND	100	99	1.0	94	81	14.9	30 - 130	30	
Benzo(k)fluoranthene	ND	86	87	1.2	81	81	0.0	30 - 130	30	
Chrysene	ND	91	89	2.2	90	90	0.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	107	105	1.9	102	92	10.3	30 - 130	30	
Fluoranthene	ND	95	94	1.1	98	98	0.0	30 - 130	30	
Fluorene	ND	97	96	1.0	94	95	1.1	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	104	103	1.0	99	88	11.8	30 - 130	30	
Naphthalene	ND	85	83	2.4	82	81	1.2	30 - 130	30	
Phenanthrene	ND	96	95	1.0	96	95	1.0	30 - 130	30	
Pyrene	ND	99	97	2.0	102	102	0.0	30 - 130	30	
% 2-Fluorobiphenyl	66	86	86	0.0	87	87	0.0	30 - 130	30	
% Nitrobenzene-d5	66	73	74	1.4	71	71	0.0	30 - 130	30	
% Terphenyl-d14	67	78	77	1.3	78	78	0.0	30 - 130	30	
QA/QC Batch 193448, QC Sample No: BB36633 (BB36633, BB36639)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	135	139	2.9	122	123	0.8	70 - 130	30	l
1,1,1-Trichloroethane	ND	119	123	3.3	107	111	3.7	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	104	118	12.6	102	90	12.5	70 - 130	30	
1,1,2-Trichloroethane	ND	111	126	12.7	113	104	8.3	70 - 130	30	
1,1-Dichloroethane	ND	89	111	22.0	100	82	19.8	70 - 130	30	
1,1-Dichloroethene	ND	99	96	3.1	87	89	2.3	70 - 130	30	
1,1-Dichloropropene	ND	123	123	0.0	114	120	5.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	120	128	6.5	117	79	38.8	70 - 130	30	r
1,2,3-Trichloropropane	ND	103	120	15.2	102	90	12.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	124	126	1.6	119	122	2.5	70 - 130	30	
1,2,4-Trimethylbenzene	ND	120	121	0.8	113	116	2.6	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	124	147	17.0	121	104	15.1	70 - 130	30	l
1,2-Dichlorobenzene	ND	114	120	5.1	111	109	1.8	70 - 130	30	
1,2-Dichloroethane	ND	111	123	10.3	109	104	4.7	70 - 130	30	
1,2-Dichloropropane	ND	102	107	4.8	99	97	2.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	119	119	0.0	111	116	4.4	70 - 130	30	
1,3-Dichlorobenzene	ND	120	122	1.7	115	116	0.9	70 - 130	30	
1,3-Dichloropropane	ND	109	116	6.2	106	99	6.8	70 - 130	30	
1,4-Dichlorobenzene	ND	117	120	2.5	112	112	0.0	70 - 130	30	
2,2-Dichloropropane	ND	125	129	3.1	109	111	1.8	70 - 130	30	
2-Chlorotoluene	ND	121	122	0.8	112	115	2.6	70 - 130	30	
2-Hexanone	ND	90	110	20.0	78	61	24.5	70 - 130	30	m
2-Isopropyltoluene	ND	116	115	0.9	110	114	3.6	70 - 130	30	
4-Chlorotoluene	ND	121	122	0.8	113	116	2.6	70 - 130	30	
4-Methyl-2-pentanone	ND	94	118	22.6	91	74	20.6	70 - 130	30	
Acetone	ND	80	98	20.2	68	53	24.8	70 - 130	30	m
Acrylonitrile	ND	81	107	27.7	95	75	23.5	70 - 130	30	

QA/QC Data

SDG I.D.: GBB36630

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benzene	ND	110	115	4.4	106	106	0.0	70 - 130	30	
Bromobenzene	ND	121	124	2.4	113	114	0.9	70 - 130	30	
Bromochloromethane	ND	109	120	9.6	109	102	6.6	70 - 130	30	
Bromodichloromethane	ND	120	129	7.2	111	109	1.8	70 - 130	30	
Bromoform	ND	138	>150	NC	120	114	5.1	70 - 130	30	l
Bromomethane	ND	124	112	10.2	61	90	38.4	70 - 130	30	m,r
Carbon Disulfide	ND	94	93	1.1	80	84	4.9	70 - 130	30	
Carbon tetrachloride	ND	143	141	1.4	116	126	8.3	70 - 130	30	l
Chlorobenzene	ND	114	118	3.4	111	112	0.9	70 - 130	30	
Chloroethane	ND	100	95	5.1	<40	54	NC	70 - 130	30	m
Chloroform	ND	99	116	15.8	104	91	13.3	70 - 130	30	
Chloromethane	ND	96	78	20.7	101	91	10.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	109	110	0.9	101	104	2.9	70 - 130	30	
cis-1,3-Dichloropropene	ND	116	124	6.7	106	107	0.9	70 - 130	30	
Dibromochloromethane	ND	133	146	9.3	122	115	5.9	70 - 130	30	l
Dibromoethane	ND	113	129	13.2	115	107	7.2	70 - 130	30	
Dibromomethane	ND	107	122	13.1	110	101	8.5	70 - 130	30	
Dichlorodifluoromethane	ND	96	83	14.5	90	90	0.0	70 - 130	30	
Ethylbenzene	ND	117	119	1.7	112	116	3.5	70 - 130	30	
Hexachlorobutadiene	ND	125	122	2.4	123	132	7.1	70 - 130	30	m
Isopropylbenzene	ND	122	119	2.5	111	115	3.5	70 - 130	30	
m&p-Xylene	ND	117	119	1.7	114	116	1.7	70 - 130	30	
Methyl ethyl ketone	ND	80	96	18.2	72	54	28.6	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	103	106	2.9	92	93	1.1	70 - 130	30	
Methylene chloride	ND	94	99	5.2	89	89	0.0	70 - 130	30	
Naphthalene	ND	125	133	6.2	117	113	3.5	70 - 130	30	l
n-Butylbenzene	ND	116	111	4.4	110	117	6.2	70 - 130	30	
n-Propylbenzene	ND	121	119	1.7	112	115	2.6	70 - 130	30	
o-Xylene	ND	113	117	3.5	111	112	0.9	70 - 130	30	
p-Isopropyltoluene	ND	121	121	0.0	116	121	4.2	70 - 130	30	
sec-Butylbenzene	ND	117	117	0.0	110	115	4.4	70 - 130	30	
Styrene	ND	113	117	3.5	115	111	3.5	70 - 130	30	
tert-Butylbenzene	ND	123	123	0.0	114	119	4.3	70 - 130	30	
Tetrachloroethene	ND	124	126	1.6	120	125	4.1	70 - 130	30	
Tetrahydrofuran (THF)	ND	69	101	37.6	86	60	35.6	70 - 130	30	l,m,r
Toluene	ND	114	119	4.3	110	113	2.7	70 - 130	30	
trans-1,2-Dichloroethene	ND	122	90	30.2	80	105	27.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	121	134	10.2	113	109	3.6	70 - 130	30	l
trans-1,4-dichloro-2-butene	ND	124	139	11.4	108	96	11.8	70 - 130	30	l
Trichloroethene	ND	121	125	3.3	115	117	1.7	70 - 130	30	
Trichlorofluoromethane	ND	100	101	1.0	<40	<40	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	102	99	3.0	90	94	4.3	70 - 130	30	
Vinyl chloride	ND	103	85	19.1	95	99	4.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	99	100	1.0	101	96	5.1	70 - 130	30	
% Bromofluorobenzene	96	100	102	2.0	102	101	1.0	70 - 130	30	
% Dibromofluoromethane	107	94	103	9.1	102	89	13.6	70 - 130	30	
% Toluene-d8	97	99	101	2.0	99	99	0.0	70 - 130	30	

QA/QC Batch 193363, QC Sample No: BB36636 (BB36633, BB36636, BB36637, BB36638, BB36640, BB36641, BB36642)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	121	121	0.0	124	128	3.2	70 - 130	30	
1,1,1-Trichloroethane	ND	107	107	0.0	111	112	0.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	96	87	9.8	91	98	7.4	70 - 130	30	

QA/QC Data

SDG I.D.: GBB36630

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,2-Trichloroethane	ND	116	103	11.9	106	120	12.4	70 - 130	30	
1,1-Dichloroethane	ND	99	82	18.8	91	107	16.2	70 - 130	30	
1,1-Dichloroethene	ND	79	84	6.1	91	85	6.8	70 - 130	30	
1,1-Dichloropropene	ND	106	112	5.5	114	110	3.6	70 - 130	30	
1,2,3-Trichlorobenzene	ND	96	78	20.7	100	93	7.3	70 - 130	30	
1,2,3-Trichloropropane	ND	109	100	8.6	105	120	13.3	70 - 130	30	
1,2,4-Trichlorobenzene	ND	87	88	1.1	96	81	16.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	99	98	1.0	112	96	15.4	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	122	111	9.4	111	125	11.9	70 - 130	30	
1,2-Dichlorobenzene	ND	97	96	1.0	105	102	2.9	70 - 130	30	
1,2-Dichloroethane	ND	110	104	5.6	107	115	7.2	70 - 130	30	
1,2-Dichloropropane	ND	101	98	3.0	103	109	5.7	70 - 130	30	
1,3,5-Trimethylbenzene	ND	101	102	1.0	115	98	16.0	70 - 130	30	
1,3-Dichlorobenzene	ND	99	92	7.3	110	97	12.6	70 - 130	30	
1,3-Dichloropropane	ND	108	101	6.7	104	113	8.3	70 - 130	30	
1,4-Dichlorobenzene	ND	94	88	6.6	103	94	9.1	70 - 130	30	
2,2-Dichloropropane	ND	101	105	3.9	103	107	3.8	70 - 130	30	
2-Chlorotoluene	ND	102	106	3.8	118	102	14.5	70 - 130	30	
2-Hexanone	ND	88	76	14.6	75	87	14.8	70 - 130	30	
2-Isopropyltoluene	ND	97	89	8.6	106	96	9.9	70 - 130	30	
4-Chlorotoluene	ND	96	83	14.5	112	99	12.3	70 - 130	30	
4-Methyl-2-pentanone	ND	99	84	16.4	84	101	18.4	70 - 130	30	
Acetone	ND	97	86	12.0	76	91	18.0	70 - 130	30	
Acrylonitrile	ND	88	73	18.6	79	98	21.5	70 - 130	30	
Benzene	ND	102	104	1.9	110	110	0.0	70 - 130	30	
Bromobenzene	ND	111	117	5.3	120	110	8.7	70 - 130	30	
Bromochloromethane	ND	109	100	8.6	105	115	9.1	70 - 130	30	
Bromodichloromethane	ND	112	109	2.7	114	120	5.1	70 - 130	30	
Bromoform	ND	125	111	11.9	120	140	15.4	70 - 130	30	m
Bromomethane	ND	99	108	8.7	104	97	7.0	70 - 130	30	
Carbon Disulfide	ND	70	83	17.0	89	88	1.1	70 - 130	30	
Carbon tetrachloride	ND	111	123	10.3	128	128	0.0	70 - 130	30	
Chlorobenzene	ND	104	101	2.9	110	107	2.8	70 - 130	30	
Chloroethane	ND	86	87	1.2	83	81	2.4	70 - 130	30	
Chloroform	ND	103	96	7.0	100	109	8.6	70 - 130	30	
Chloromethane	ND	79	81	2.5	84	91	8.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	98	102	4.0	106	105	0.9	70 - 130	30	
cis-1,3-Dichloropropene	ND	105	103	1.9	107	109	1.9	70 - 130	30	
Dibromochloromethane	ND	122	117	4.2	122	133	8.6	70 - 130	30	m
Dibromoethane	ND	119	105	12.5	105	122	15.0	70 - 130	30	
Dibromomethane	ND	112	101	10.3	106	116	9.0	70 - 130	30	
Dichlorodifluoromethane	ND	73	76	4.0	93	100	7.3	70 - 130	30	
Ethylbenzene	ND	105	101	3.9	112	106	5.5	70 - 130	30	
Hexachlorobutadiene	ND	85	79	7.3	115	84	31.2	70 - 130	30	r
Isopropylbenzene	ND	103	110	6.6	120	104	14.3	70 - 130	30	
m&p-Xylene	ND	104	99	4.9	110	105	4.7	70 - 130	30	
Methyl ethyl ketone	ND	80	70	13.3	74	85	13.8	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	90	86	4.5	75	97	25.6	70 - 130	30	
Methylene chloride	ND	88	90	2.2	73	86	16.4	70 - 130	30	
Naphthalene	ND	103	102	1.0	100	106	5.8	70 - 130	30	
n-Butylbenzene	ND	85	83	2.4	94	78	18.6	70 - 130	30	
n-Propylbenzene	ND	94	96	2.1	116	98	16.8	70 - 130	30	
o-Xylene	ND	105	97	7.9	108	107	0.9	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
p-Isopropyltoluene	ND	99	94	5.2	112	93	18.5	70 - 130	30	
sec-Butylbenzene	ND	96	86	11.0	112	98	13.3	70 - 130	30	
Styrene	ND	105	94	11.1	107	106	0.9	70 - 130	30	
tert-Butylbenzene	ND	104	102	1.9	121	105	14.2	70 - 130	30	
Tetrachloroethene	ND	111	108	2.7	119	111	7.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	85	66	25.2	70	93	28.2	70 - 130	30	l
Toluene	ND	108	103	4.7	111	109	1.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	78	98	22.7	80	77	3.8	70 - 130	30	
trans-1,3-Dichloropropene	ND	109	105	3.7	107	114	6.3	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	96	75	24.6	97	104	7.0	70 - 130	30	
Trichloroethene	ND	116	114	1.7	126	122	3.2	70 - 130	30	
Trichlorofluoromethane	ND	109	101	7.6	97	102	5.0	70 - 130	30	
Trichlorotrifluoroethane	ND	82	90	9.3	98	90	8.5	70 - 130	30	
Vinyl chloride	ND	79	81	2.5	83	84	1.2	70 - 130	30	
% 1,2-dichlorobenzene-d4	98	99	101	2.0	100	101	1.0	70 - 130	30	
% Bromofluorobenzene	94	100	96	4.1	96	100	4.1	70 - 130	30	
% Dibromofluoromethane	94	103	92	11.3	100	104	3.9	70 - 130	30	
% Toluene-d8	96	99	99	0.0	100	100	0.0	70 - 130	30	

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 193181, QC Sample No: BB36642 (BB36638, BB36639, BB36640, BB36641, BB36642)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	99	94	5.2	106	104	1.9	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	100	94	6.2	124	123	0.8	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	82	92	82	11.5	86	86	0.0	30 - 150	30	
% TCMX (Surrogate Rec)	81	81	76	6.4	83	79	4.9	30 - 150	30	

QA/QC Batch 193182, QC Sample No: BB36642 (BB36636, BB36637, BB36638, BB36639, BB36640, BB36641, BB36642)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum HC	ND	66	61	7.9	73	67	8.6	50 - 150	30	
% n-Pentacosane	81	80	71	11.9	90	82	9.3	50 - 150	30	

QA/QC Batch 193362, QC Sample No: BB37027 (BB36630, BB36631, BB36632, BB36634, BB36635)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	128	120	6.5	122	111	9.4	70 - 130	30	
1,1,1-Trichloroethane	ND	114	110	3.6	116	107	8.1	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	111	98	12.4	109	103	5.7	70 - 130	30	
1,1,2-Trichloroethane	ND	120	101	17.2	111	91	19.8	70 - 130	30	
1,1-Dichloroethane	ND	104	84	21.3	108	83	26.2	70 - 130	30	
1,1-Dichloroethene	ND	92	83	10.3	97	94	3.1	70 - 130	30	
1,1-Dichloropropene	ND	116	114	1.7	117	108	8.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	116	107	8.1	64	59	8.1	70 - 130	30	m
1,2,3-Trichloropropane	ND	121	97	22.0	125	116	7.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	106	91	15.2	66	61	7.9	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	114	112	1.8	106	114	7.3	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	136	93	37.6	122	104	15.9	70 - 130	30	l,r

QA/QC Data

SDG I.D.: GBB36630

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dichlorobenzene	ND	109	98	10.6	96	92	4.3	70 - 130	30	
1,2-Dichloroethane	ND	115	100	14.0	108	94	13.9	70 - 130	30	
1,2-Dichloropropane	ND	107	99	7.8	101	90	11.5	70 - 130	30	
1,3,5-Trimethylbenzene	ND	113	116	2.6	113	124	9.3	70 - 130	30	
1,3-Dichlorobenzene	ND	111	103	7.5	100	96	4.1	70 - 130	30	
1,3-Dichloropropane	ND	115	99	15.0	109	91	18.0	70 - 130	30	
1,4-Dichlorobenzene	ND	106	87	19.7	95	90	5.4	70 - 130	30	
2,2-Dichloropropane	ND	116	111	4.4	115	107	7.2	70 - 130	30	
2-Chlorotoluene	ND	113	119	5.2	114	124	8.4	70 - 130	30	
2-Hexanone	ND	94	74	23.8	87	68	24.5	70 - 130	30	m
2-Isopropyltoluene	ND	108	92	16.0	106	108	1.9	70 - 130	30	
4-Chlorotoluene	ND	108	105	2.8	107	117	8.9	70 - 130	30	
4-Methyl-2-pentanone	ND	105	79	28.3	96	73	27.2	70 - 130	30	
Acetone	ND	100	83	18.6	76	64	17.1	70 - 130	30	m
Acrylonitrile	ND	98	72	30.6	91	67	30.4	70 - 130	30	m,r
Benzene	ND	111	105	5.6	108	98	9.7	70 - 130	30	
Bromobenzene	ND	118	122	3.3	114	121	6.0	70 - 130	30	
Bromochloromethane	ND	115	98	16.0	111	89	22.0	70 - 130	30	
Bromodichloromethane	ND	120	109	9.6	113	101	11.2	70 - 130	30	
Bromoform	ND	136	109	22.0	120	100	18.2	70 - 130	30	l
Bromomethane	ND	108	107	0.9	114	117	2.6	70 - 130	30	
Carbon Disulfide	ND	90	83	8.1	91	87	4.5	70 - 130	30	
Carbon tetrachloride	ND	123	124	0.8	126	121	4.0	70 - 130	30	
Chlorobenzene	ND	109	103	5.7	105	95	10.0	70 - 130	30	
Chloroethane	ND	96	89	7.6	103	99	4.0	70 - 130	30	
Chloroform	ND	111	97	13.5	109	92	16.9	70 - 130	30	
Chloromethane	ND	86	86	0.0	93	90	3.3	70 - 130	30	
cis-1,2-Dichloroethene	ND	111	104	6.5	102	94	8.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	116	105	10.0	102	90	12.5	70 - 130	30	
Dibromochloromethane	ND	131	114	13.9	124	107	14.7	70 - 130	30	l
Dibromoethane	ND	125	102	20.3	110	90	20.0	70 - 130	30	
Dibromomethane	ND	118	99	17.5	103	87	16.8	70 - 130	30	
Dichlorodifluoromethane	ND	81	75	7.7	105	92	13.2	70 - 130	30	
Ethylbenzene	ND	113	108	4.5	108	100	7.7	70 - 130	30	
Hexachlorobutadiene	ND	106	104	1.9	78	81	3.8	70 - 130	30	
Isopropylbenzene	ND	114	124	8.4	121	133	9.4	70 - 130	30	m
m&p-Xylene	ND	113	106	6.4	108	98	9.7	70 - 130	30	
Methyl ethyl ketone	ND	88	66	28.6	82	60	31.0	70 - 130	30	l,m,r
Methyl t-butyl ether (MTBE)	ND	93	80	15.0	85	82	3.6	70 - 130	30	
Methylene chloride	ND	95	94	1.1	88	77	13.3	70 - 130	30	
Naphthalene	ND	122	104	15.9	69	62	10.7	70 - 130	30	m
n-Butylbenzene	ND	102	95	7.1	87	99	12.9	70 - 130	30	
n-Propylbenzene	ND	107	115	7.2	111	127	13.4	70 - 130	30	
o-Xylene	ND	112	105	6.5	106	95	10.9	70 - 130	30	
p-Isopropyltoluene	ND	115	111	3.5	107	115	7.2	70 - 130	30	
sec-Butylbenzene	ND	108	109	0.9	107	120	11.5	70 - 130	30	
Styrene	ND	114	103	10.1	98	88	10.8	70 - 130	30	
tert-Butylbenzene	ND	114	117	2.6	119	129	8.1	70 - 130	30	
Tetrachloroethene	ND	114	111	2.7	120	113	6.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	95	62	42.0	90	61	38.4	70 - 130	30	l,m,r
Toluene	ND	113	108	4.5	106	95	10.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	86	95	9.9	76	94	21.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	122	105	15.0	102	89	13.6	70 - 130	30	

QA/QC Data

SDG I.D.: GBB36630

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
trans-1,4-dichloro-2-butene	ND	114	93	20.3	101	97	4.0	70 - 130	30
Trichloroethene	ND	116	112	3.5	117	106	9.9	70 - 130	30
Trichlorofluoromethane	ND	115	100	14.0	112	97	14.4	70 - 130	30
Trichlorotrifluoroethane	ND	92	87	5.6	102	98	4.0	70 - 130	30
Vinyl chloride	ND	87	83	4.7	95	90	5.4	70 - 130	30
% 1,2-dichlorobenzene-d4	101	99	95	4.1	102	104	1.9	70 - 130	30
% Bromofluorobenzene	95	102	98	4.0	95	93	2.1	70 - 130	30
% Dibromofluoromethane	100	104	93	11.2	106	95	10.9	70 - 130	30
% Toluene-d8	97	101	100	1.0	99	98	1.0	70 - 130	30

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
February 08, 2012

Sample Criteria Exceedences Report

Requested Criteria: GAM, I/C, RC

GBB36630

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB36632	TRC-DAS	$8100SMR	Benz(a)anthracene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	1300	250	1000	1000	ug/Kg
BB36632	TRC-DAS	$8100SMR	Benz(a)anthracene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	1300	250	1000	1000	ug/Kg
BB36632	TRC-DAS	$8100SMR	Benzo(b)fluoranthene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	1600	250	1000	1000	ug/Kg
BB36632	TRC-DAS	$8100SMR	Benzo(b)fluoranthene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	1600	250	1000	1000	ug/Kg
BB36632	TRC-DAS	$8100SMR	Benzo(a)pyrene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	1100	250	1000	1000	ug/Kg
BB36632	TRC-DAS	$8100SMR	Benzo(a)pyrene	mg/kg	CT	Semivolatile Organic Comp	I/C DEC (mg/kg)	1100	250	1000	1000	ug/Kg
BB36632	TRC-DAS	$8100SMR	Benzo(a)pyrene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	1100	250	1000	1000	ug/Kg
BB36632	TRC-DAS	SPLP-PB	SPLP Lead	mg/l	CT	Inorganic Substances	GA/GAA PMC (mg/l)**	0.049	0.010	0.015	0.015	mg/L
BB36633	TRC-DAS	SPLP-PB	SPLP Lead	mg/l	CT	Inorganic Substances	GA/GAA PMC (mg/l)**	0.129	0.010	0.015	0.015	mg/L
BB36634	TRC-DAS	SPLP-PB	SPLP Lead	mg/l	CT	Inorganic Substances	GA/GAA PMC (mg/l)**	0.042	0.010	0.015	0.015	mg/L
BB36638	TRC-DAS	SPLP-PB	SPLP Lead	mg/l	CT	Inorganic Substances	GA/GAA PMC (mg/l)**	0.147	0.010	0.015	0.015	mg/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** TRC-DAS

Project Location: CONN DOT LOCAL ROADS-HO **Project Number:**

Laboratory Sample ID(s): BB36630, BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637, BB36638, BB36639, BB36640, BB36641, BB36642

Sampling Date(s): 1/24/2012

RCP Methods Used:

☑ 1311/1312	☑ 6010	☐ 7000	☐ 7196	☑ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☑ 8260	☑ 8270	☑ ETPH	☐ 9010/9012	☐ VPH	

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: VOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: _____

Date: Wednesday, February 08, 2012

Printed Name: Greg Lawrence

Position: Assistant Lab Director

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RCP Certification Report

February 08, 2012

SDG I.D.: GBB36630

The client requested a shorter list of elements than the 6010 RCP list.

8270 Semi-volatile Organics:
Only the PAH constituents are reported as requested on the chain-of-custody.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-fid1 01/26/12-1 (BB36630, BB36631, BB36632, BB36634, BB36635)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 1/26/2012

Instrument: Au-fid1 01/26/12-2 (BB36636, BB36637)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 1/26/2012

Instrument: Au-fid84 01/26/12-2 (BB36633, BB36639)

Initial Calibration (FID84 - ETPH_13) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: none

Printed Name Jeff Bucko
Position: Chemist
Date: 1/26/2012

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RCP Certification Report

February 08, 2012

SDG I.D.: GBB36630

Instrument: Au-xl1 01/26/12-1 (BB36641)

Initial Calibration (FIDXL1 ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 1/26/2012

Instrument: Au-xl1 01/26/12-2 (BB36638, BB36640, BB36642)

Initial Calibration (FIDXL1 ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers:C36

Printed Name Jeff Bucko
Position: Chemist
Date: 1/26/2012

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February 08, 2012

SDG I.D.: GBB36630

QC (Site Specific)

---------- Sample No: BB36642, QA/QC Batch: 193182 ----------

All LCS recoveries were within 50 - 150 with the following exceptions: None.

All LCSD recoveries were within 50 - 150 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 50 - 150 with the following exceptions: None.

All MSD recoveries were within 50 - 150 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BB36485, QA/QC Batch: 193117 ----------

All LCS recoveries were within 50 - 150 with the following exceptions: None.

All LCSD recoveries were within 50 - 150 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Mercury Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Merlin 01/26/12-1 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637, BB36638, BB36639, BB36640, BB36641, BB36642)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 1/26/2012

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RCP Certification Report

February 08, 2012

SDG I.D.: GBB36630

QC (Site Specific)

---------- Sample No: BB36630, QA/QC Batch: 193219 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: None.

All MSD recoveries were within 75 - 125 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BB36635, QA/QC Batch: 193269 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: None.

All MSD recoveries were within 75 - 125 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BB36639, QA/QC Batch: 193220 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: None.

All MSD recoveries were within 75 - 125 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

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February 08, 2012

SDG I.D.: GBB36630

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Icp7 01/25/12-1 (BB36630, BB36631, BB36632, BB36633, BB36639)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 1/25/2012

Instrument: Icp7 01/26/12-1 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637, BB36638, BB36639, BB36640, BB36641, BB36642)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 1/26/2012

Instrument: Icp7 01/27/12-1 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637, BB36638, BB36640, BB36641, BB36642)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 1/27/2012

Instrument: Icp7 01/28/12-1 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637, BB36638, BB36640, BB36642)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

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February 08, 2012

SDG I.D.: GBB36630

Printed Name Laura Kinnin
Position: Chemist
Date: 1/28/2012

Instrument: Icp7 01/29/12-1 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 1/29/2012

Instrument: Icp7 01/30/12-1 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637, BB36638)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 1/30/2012

Instrument: Icp7 01/31/12-1 (BB36638)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 1/31/2012

Instrument: Icp9 01/26/12-1 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637, BB36638, BB36639, BB36640, BB36641, BB36642)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

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February 08, 2012

SDG I.D.: GBB36630

Printed Name Laura Kinnin
Position: Chemist
Date: 1/26/2012

Instrument: Icp9 01/27/12-1 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36636, BB36637, BB36638, BB36639, BB36640, BB36641, BB36642)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 1/27/2012

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February 08, 2012

SDG I.D.: GBB36630

QC (Site Specific)

---------- Sample No: BB36635, QA/QC Batch: 194002 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: None.

All MSD recoveries were within 75 - 125 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BB36682, QA/QC Batch: 193189 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BB36736, QA/QC Batch: 193188 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BB36764, QA/QC Batch: 193191 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BB37310, QA/QC Batch: 193284 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PHOENIX

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RCP Certification Report

February 08, 2012

SDG I.D.: GBB36630

PAH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Chem09 01/25/12-1 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637, BB36638, BB36639, BB36640, BB36641, BB36642)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were not evaluated in the DFTPP tune.

Initial Calibration (Chem09/BN_0119)
Greater than 90% of the target compounds met calibration criteria with a RSD <20% or >0.99 correlation coefficient. The following compounds had RSDs >20% and <0.99 correlation coefficient: None

The following compounds failed to meet the minimum required response factor: None

Continuing Calibration:
Greater than 80% of target compounds met continuing calibration criteria with a %D <20. The following compunds had >20% difference from the initial calibration: None.

Printed Name Keith Aloisa
Position: Chemist
Date: 1/25/2012

QC (Batch Specific)

---------- Sample No: BB36554, QA/QC Batch: 193122 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Additional 8270 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 01/26/12-1 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637, BB36638, BB36639, BB36640, BB36641, BB36642)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

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RCP Certification Report

February 08, 2012

SDG I.D.: GBB36630

Printed Name Michael Hahn
Position: Chemist
Date: 1/26/2012

Instrument: Au-ecd7 01/30/12-1 (BB36642)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 1/30/2012

QC Comments: QC Batch 93107 01/24/12 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QC (Site Specific)

---------- Sample No: BB36642, QA/QC Batch: 193181 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BB36246, QA/QC Batch: 193107 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

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February 08, 2012

SDG I.D.: GBB36630

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

The LCS or the LCSD recovery for MEK and/or THF is below the lower range, but within the method criteria. A slight low bias for these compounds is possible. The LCS and/or the LCSD recovery for several other compounds is above the upper range. These compounds were not reported in the sample. Therefore no significant bias is suspected.

Instrument: Chem03 01/25/12-2 (BB36630, BB36631, BB36632, BB36633, BB36634, BB36635, BB36636, BB36637, BB36638, BB36640, BB36641, BB36642)

Initial Calibration Verification (RCPS_0111):
>90% of target compounds met method criteria.
The following compounds had %RSDs >20%: Trans-1,4-dichloro-2-butene

Continuing Calibration Verification:
>80% of target compounds met method criteria. Internal standards were within the 50%-200% deviation from the initial calibration.
The following compounds had % Deviations >20%: None.

Printed Name Johanna Harrington
Position: Chemist
Date: 1/25/2012

Instrument: Chem03 01/29/12-1 (BB36639)

Initial Calibration Verification (RCPS_0111):
>90% of target compounds met method criteria.
The following compounds had %RSDs >20%: Trans-1,4-dichloro-2-butene

Continuing Calibration Verification:
>80% of target compounds met method criteria. Internal standards were within the 50%-200% deviation from the initial calibration.
The following compounds had % Deviations >20%: Trans-1,2-Dichloroethene, Methyl t-Butyl Ether (MTBE), Carbon Tetrachloride

Printed Name Johanna Harrington
Position: Chemist
Date: 1/29/2012

QC Comments: QC Batch 93363 01/27/12 (BB36633, BB36636, BB36637, BB36638, BB36640, BB36641, BB36642)

A blank MS/MSD was analyzed with this batch.

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RCP Certification Report

February 08, 2012

SDG I.D.: GBB36630

QC (Site Specific)

---------- Sample No: BB36633, QA/QC Batch: 193448 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: 1,1,1,2-Tetrachloroethane(135%), Bromoform(138%), Carbon tetrachloride(143%), Dibromochloromethane(133%), Tetrahydrofuran (THF)(69%)

All LCSD recoveries were within 70 - 130 with the following exceptions: 1,1,1,2-Tetrachloroethane(139%), 1,2-Dibromo-3-chloropropane(147%), Bromoform(>150%), Carbon tetrachloride(141%), Dibromochloromethane(146%), Naphthalene(133%), trans-1,3-Dichloropropene(134%), trans-1,4-dichloro-2-butene(139%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: Tetrahydrofuran (THF)(37.6%)

All MS recoveries were within 70 - 130 with the following exceptions: Acetone(68%), Bromomethane(61%), Chloroethane(<40%), Trichlorofluoromethane(<40%)

All MSD recoveries were within 70 - 130 with the following exceptions: 2-Hexanone(61%), Acetone(53%), Chloroethane(54%), Hexachlorobutadiene(132%), Methyl ethyl ketone(54%), Tetrahydrofuran (THF)(60%), Trichlorofluoromethane(<40%)

All MS/MSD RPDs were less than 30% with the following exceptions: 1,2,3-Trichlorobenzene(38.8%), Bromomethane(38.4%), Tetrahydrofuran (THF)(35.6%)

---------- Sample No: BB36636, QA/QC Batch: 193363 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: Tetrahydrofuran (THF)(66%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 70 - 130 with the following exceptions: None.

All MSD recoveries were within 70 - 130 with the following exceptions: Bromoform(140%), Dibromochloromethane(133%)

All MS/MSD RPDs were less than 30% with the following exceptions: Hexachlorobutadiene(31.2%)

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BB37027, QA/QC Batch: 193362 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: 1,2-Dibromo-3-chloropropane(136%), Bromoform(136%), Dibromochloromethane(131%)

All LCSD recoveries were within 70 - 130 with the following exceptions: Methyl ethyl ketone(66%), Tetrahydrofuran (THF)(62%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: 1,2-Dibromo-3-chloropropane(37.6%), Acrylonitrile(30.6%), Tetrahydrofuran (THF)(42.0%)

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

February 08, 2012

SDG I.D.: GBB36630

Temperature Narration

The samples were received at 10C with cooling initiated.
No bias in the sample results are suspected due to temperature.

Printed Name
Position: Chemist
Date: 2/8/2012 6:57:29 PM

owl

CHAIN OF CUSTODY RECORD

Temp 10 Pg 1 of 2

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #:
☒ Email: Ccarlson@trcsolutions.com

Customer: TRC
Address: 21 Griffin Road North, Windsor CT, 06095

Project: ConnDOT Local Roads, Hope Street, Stamford
Report to: Chris Carlson
Invoice to: Same

Project P.O:
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 1/24/12 CL

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
SE=Sediment **SL**=Sludge **S**=Soil/Solid **W**=Wipe **O**=Other

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	PAHs	ETPH	Total + SPLP RCRA-8 metals	PCBs	Soil VOA Vials [1] methanol [2] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
366030	SB-1P (4-6)	S	1/24/12 CL	1005	X	X	X	X	X	X	X								
366031	SB-2P (4-6)	S	↓	1025	X	X	X	X	X	↓	↓								
366032	SB-2P (8-9)	S	↓	1030	X	X	X	X	X	↓	↓								
366033	SB-3P (1.5-2.5)	S	↓	1050	X	X	X	X	X	↓	↓								
366034	SB-3P (4-6)	S	↓	1055	X	X	X	X	X	↓	↓								
366035	SB-6P (1.5-2.5)	S	↓	1135	X	X	X	X	X	↓	↓								
366036	SB-7P (1.5-2.5)	S	↓	1150	X	X	X	X	X	↓	↓								
366037	SB-9P (0-2)	S	↓	1205	X	X	X	X	X	↓	↓								
366038	SB-15P (1-2)	S	↓	1310	X	X	X	X	X	↓	↓								
366039	SB-14P (0-2)	S	↓	1320	X	X	X	X	X	↓	↓								
366040	SB-12P (0.5-1.5)	S	↓	1330	X	X	X	X	X	↓	↓								
366041	SB-13P (0.5-1.5)	S	↓	1350	X	X	X	X	X	↓	↓								

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	1/25/12	11:11

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☒ RCP Cert
☐ GW Protection
☐ SW Protection
☒ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: CT

Data Format
☒ Excel
☒ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other

* SURCHARGE APPLIES

CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 10 ow IC Pg 2 of 2

Data Delivery:
☐ Fax #:
☒ Email: CCarlson@trcsolutions.com

Customer: TRC
Address: 21 Griffin Rd North, Windsor CT, 06095

Project: See Page 1
Report to:
Invoice to:

Project P.O:
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature
Date: 1/24/12

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
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360042	SB-16P (1.5-2.5)	S	1/24/12	1415	X	X	X	X	X							X	X								

Relinquished by:	Accepted by:	Date:	Time:
		1/25/12	11:11

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☒ RCP Cert
☐ GW Protection
☐ SW Protection
☒ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: CT

Data Format
☒ Excel
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☐ Other

Data Package
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Temp 10 ow IC Pg 2 of 2

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☐ Fax #:
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360042	SB-16P (1.5-2.5)	S	1/24/12	1415	X	X	X	X	X							X	X								

Relinquished by:	Accepted by:	Date:	Time:
		1/25/12	11:11

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
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* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
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☐ GW Protection
☐ SW Protection
☒ GA Mobility
☐ GB Mobility
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☐ I/C DEC
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MA
☐ MCP Certification
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