

# **Tank Removal & Closure Report**

**77 West Post Road  
White Plains, NY**

**NYSDEC Spill No. 1112748**

prepared by

**DRE ENVIRONMENTAL, inc.  
P.O. Box 273  
Millwood, NY 10546**

(914) 588-5169

**March 2012**

## **PROGRAM DEVELOPMENT**

DRE ENVIRONMENTAL, INC. prepared this Tank Removal and Closure Report regarding the removal of a single 500 gallon heating oil tank during February that was located to the rear area of the former Sholz Auto Dealership at 77 West Post Road, White Plains, NY. While uncovering the tank contaminated soils were encountered and a spill was called to the NYS DEC - **NYSDEC Spill No. 1112748**.

The subject site comprises a commercial property of approximately 5 acres. The site has been an auto dealership for over 75 years old. The property is being demolished, during site investigation work vent pipes were identified leading to the discovery of the abandoned 500 gallon tank. The client retained Royal Environmental Services to remove the tank and any associated contaminated soils.

Royal Environmental Services began excavation of the tank during February 2012. Royal Environmental Services retained DRE Environmental, Inc. to perform the necessary environmental engineering oversight and testing and reporting requirements of the NYS DEC.

The excavation of the tank identified that the soils surrounding the tank were consisted of historical fill and that the fill was impacted by petroleum, by the presence of petroleum odors, up to the foundation of the residence. Approximately 210 tons of petroleum contaminated soils were removed from the excavation and disposed of at a licensed landfill. Refer to Appendix B. Soil samples of the walls and floor of the tank excavation were collected, due to the size of the excavation, 11 samples were collected, refer to Appendix C. The soil samples for analysis via EPA Methodology 8260/8270.

IN the event that the soil samples were found to be contaminated a temporary groundwater well was installed in the pit with oversight by D. Elmendorf, PE of DRE Environmental, Inc.

## **SITE REMEDIATION**

As stated, Royal Environmental excavated and disposed of approximately 210 tons of petroleum contaminated soils from the tank pit area. 11 soil samples were collected,

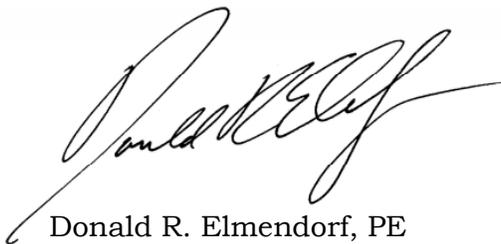
two each of the four vertical walls of the excavation and three on the pit floor, following NYS DEC procedures for collection of a soil sample. No groundwater was encountered within the pit on the site as such no groundwater tests were performed, however water did infiltrate the hole due to weather events after the extents of the contamination were achieved. The samples were sent to JMS Environmental Services (now known as Phoenix Labs) a NYS ELAP lab for analysis.

The laboratory results found no detectable petroleum compounds above the NYS DEC CP-51 guidelines for determination of contaminated soils. Appendix C presents the results of the end point sampling to verify that the site was free of contamination. The result of the groundwater sample was found that no detectable petroleum compounds were identified in the sample.

### **Findings and Recommendations**

The laboratory analysis of the soils at the perimeter walls of the excavation found all samples below NYS DEC guidelines for the petroleum compounds (EPA Methodology 8260/8270 Stars.

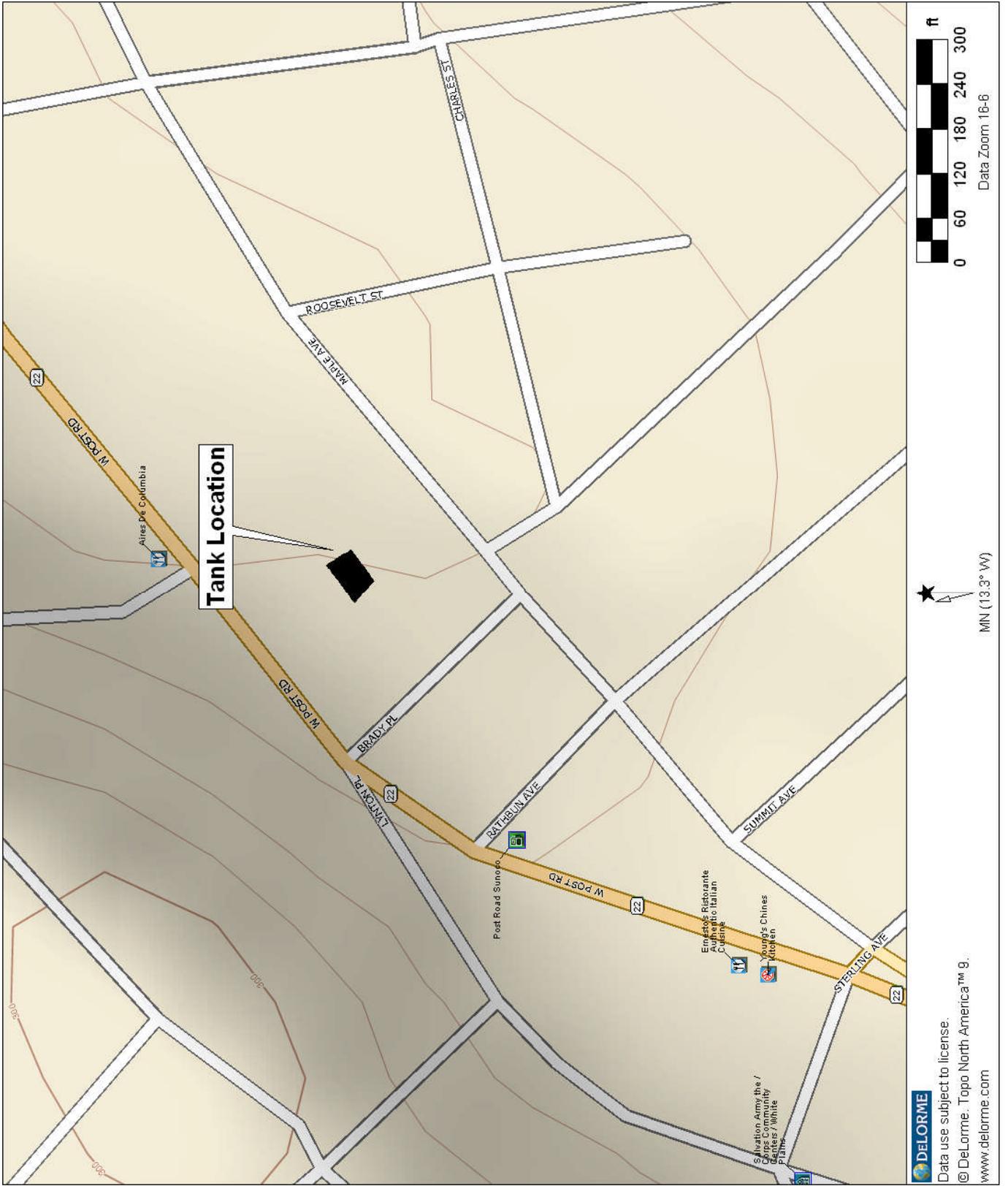
In summary, the findings of no organic compounds in the perimeter sampling of the tank pit, it is our recommendation that this tank removal project be considered complete and not having impacted the environment in the vicinity of the formerly abandoned tanks identified on this site. The spill should be considered cleaned to levels acceptable to the NYS DEC.

A handwritten signature in black ink, appearing to read "Donald R. Elmendorf". The signature is fluid and cursive, with a long, sweeping underline that extends to the left.

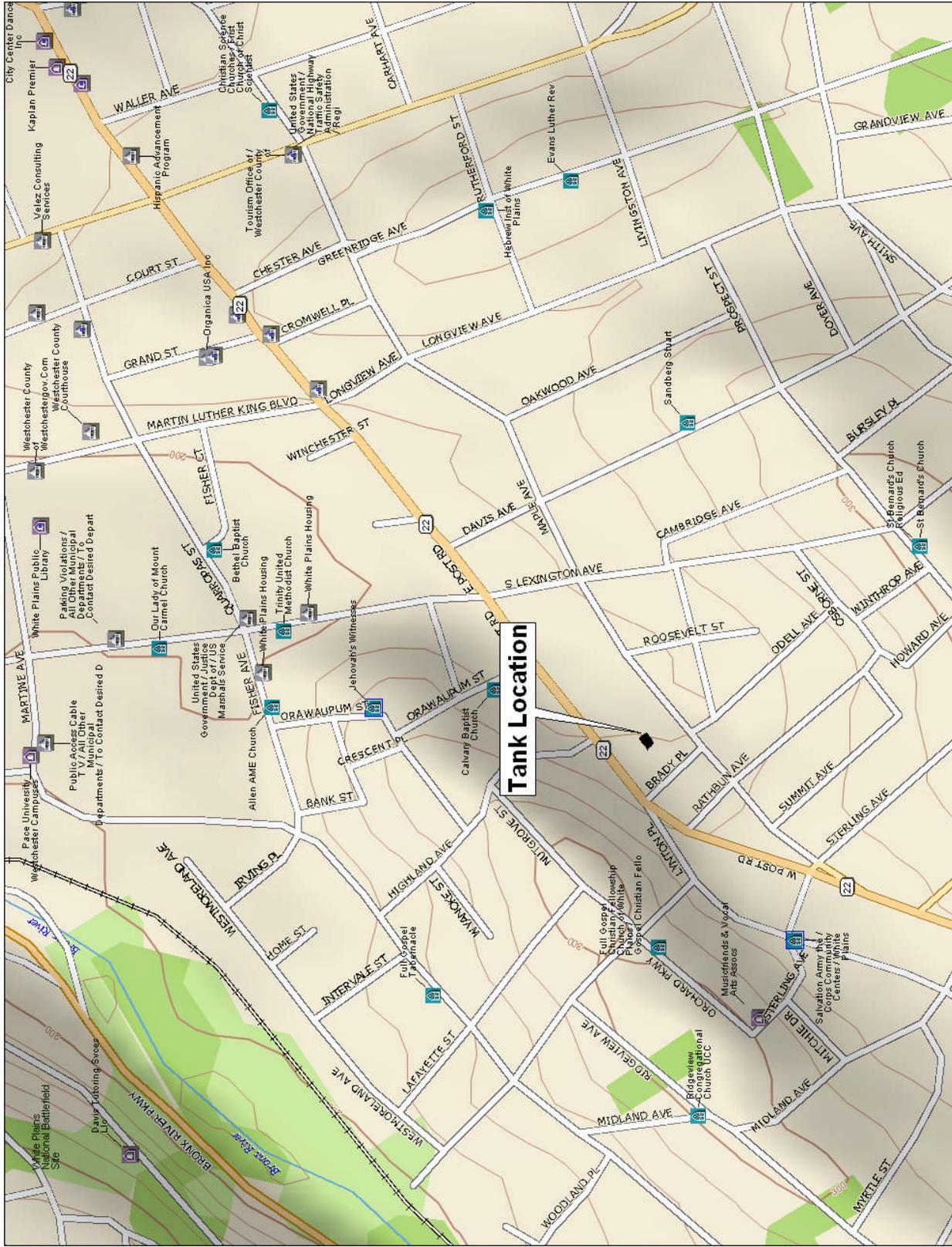
Donald R. Elmendorf, PE  
President DRE Environmental, Inc.

## **APPENDIX A**

### **SITE MAPS**



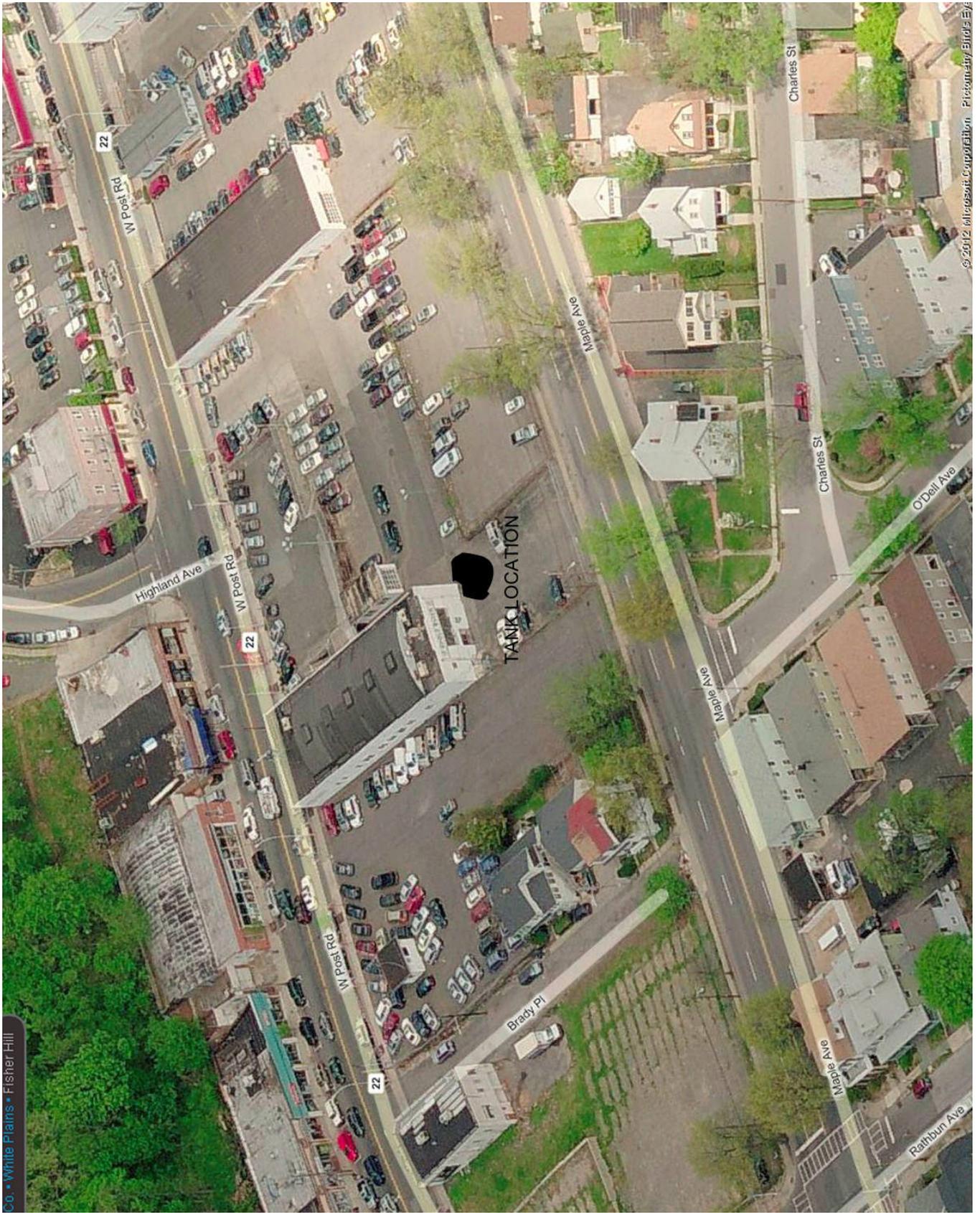
**SITE LOCATION**



**Tank Location**

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 www.delorme.com





**AERIAL PHOTO OF SITE**

**APPENDIX B**  
**SITE PHOTOS**



**SUBJECT SITE**



**SUBJECT SITE**

## **APPENDIX C**

### **LABORATORY SAMPLES**



Thursday, March 01, 2012

Attn:  
Royal Environmental  
P.O. Box 8596  
Pelham NY 10803

Project ID: 77 WEST PEST RD  
Sample ID#s: BB46391 - BB46401

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,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

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



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



# Analysis Report

March 01, 2012

FOR: Attn:  
 Royal Environmental  
 P.O. Box 8596  
 Pelham NY 10803

## Sample Information

Matrix: SOIL  
 Location Code: ROYAL-ENV  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date      Time  
 02/18/12      13:00  
 02/22/12      16:47

## Laboratory Data

SDG ID: GBB46391  
 Phoenix ID: BB46391

Project ID: 77 WEST PEST RD

Client ID: EAST WALL

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	89		%	02/22/12		JL	E160.3
Soil Extraction SVOA BN	Completed			02/22/12		BS/R	SW3545

## Volatile Organic Compounds

1,2,4-Trimethylbenzene	ND	1.1	ug/Kg	02/29/12		H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.1	ug/Kg	02/29/12		H/J	8021/8260
Benzene	ND	2.2	ug/Kg	02/29/12		H/J	8021/8260
Ethylbenzene	ND	2.2	ug/Kg	02/29/12		H/J	8021/8260
Isopropylbenzene	ND	1.1	ug/Kg	02/29/12		H/J	8021/8260
m&p-Xylene	ND	2.2	ug/Kg	02/29/12		H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1.1	ug/Kg	02/29/12		H/J	8021/8260
Naphthalene	ND	1.1	ug/Kg	02/29/12		H/J	8021/8260
n-Butylbenzene	ND	1.1	ug/Kg	02/29/12		H/J	8021/8260
n-Propylbenzene	ND	1.1	ug/Kg	02/29/12		H/J	8021/8260
o-Xylene	ND	2.2	ug/Kg	02/29/12		H/J	8021/8260
p-Isopropyltoluene	ND	1.1	ug/Kg	02/29/12		H/J	8021/8260
sec-Butylbenzene	ND	1.1	ug/Kg	02/29/12		H/J	8021/8260
tert-Butylbenzene	ND	1.1	ug/Kg	02/29/12		H/J	8021/8260
Toluene	ND	2.2	ug/Kg	02/29/12		H/J	8021/8260
Total Xylenes	ND	2.2	ug/Kg	02/29/12		H/J	8021/8260

## QA/QC Surrogates

% 1,2-Dichlorobenzene-d4	104		%	02/29/12		H/J	70 - 130 %
% Bromofluorobenzene	90		%	02/29/12		H/J	70 - 130 %
% Dibromofluoromethane	105		%	02/29/12		H/J	70 - 130 %
% Toluene-d8	100		%	02/29/12		H/J	70 - 130 %

## Semivolatiles

Acenaphthene	ND	260	ug/Kg	02/23/12		DD	SW 8270
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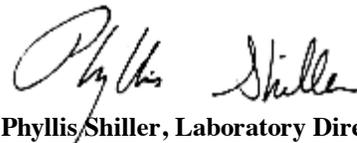
Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Anthracene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Benz(a)anthracene	370	260	ug/Kg	02/23/12		DD	SW 8270
Benzo(a)pyrene	370	260	ug/Kg	02/23/12		DD	SW 8270
Benzo(b)fluoranthene	480	260	ug/Kg	02/23/12		DD	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Chrysene	380	260	ug/Kg	02/23/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Fluoranthene	600	260	ug/Kg	02/23/12		DD	SW 8270
Fluorene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Naphthalene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Phenanthrene	280	260	ug/Kg	02/23/12		DD	SW 8270
Pyrene	550	260	ug/Kg	02/23/12		DD	SW 8270
<b><u>QA/OC Surrogates</u></b>							
% 2-Fluorobiphenyl	73		%	02/23/12		DD	30 - 130 %
% Nitrobenzene-d5	64		%	02/23/12		DD	30 - 130 %
% Terphenyl-d14	69		%	02/23/12		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**  
**March 01, 2012**



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



# Analysis Report

March 01, 2012

FOR: Attn:  
 Royal Environmental  
 P.O. Box 8596  
 Pelham NY 10803

## Sample Information

Matrix: SOIL  
 Location Code: ROYAL-ENV  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date      Time  
 02/18/12      13:00  
 02/22/12      16:47

## Laboratory Data

SDG ID: GBB46391  
 Phoenix ID: BB46392

Project ID: 77 WEST PEST RD  
 Client ID: NORTH WALL

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	83		%	02/22/12		JL	E160.3
Soil Extraction SVOA BN	Completed			02/22/12		BS/R	SW3545

## Volatile Organic Compounds

1,2,4-Trimethylbenzene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
Benzene	ND	2.4	ug/Kg	02/28/12		H/J	8021/8260
Ethylbenzene	ND	2.4	ug/Kg	02/28/12		H/J	8021/8260
Isopropylbenzene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
m&p-Xylene	ND	2.4	ug/Kg	02/28/12		H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
Naphthalene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
n-Butylbenzene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
n-Propylbenzene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
o-Xylene	ND	2.4	ug/Kg	02/28/12		H/J	8021/8260
p-Isopropyltoluene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
sec-Butylbenzene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
tert-Butylbenzene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
Toluene	ND	2.4	ug/Kg	02/28/12		H/J	8021/8260
Total Xylenes	ND	2.4	ug/Kg	02/28/12		H/J	8021/8260

## QA/QC Surrogates

% 1,2-Dichlorobenzene-d4	104		%	02/28/12		H/J	70 - 130 %
% Bromofluorobenzene	89		%	02/28/12		H/J	70 - 130 %
% Dibromofluoromethane	104		%	02/28/12		H/J	70 - 130 %
% Toluene-d8	99		%	02/28/12		H/J	70 - 130 %

## Semivolatiles

Acenaphthene	ND	270	ug/Kg	02/23/12		DD	SW 8270
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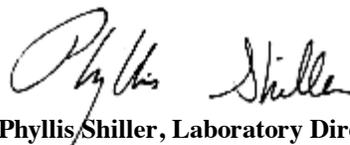
Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Anthracene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Chrysene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Fluoranthene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Fluorene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Naphthalene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Phenanthrene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Pyrene	ND	270	ug/Kg	02/23/12		DD	SW 8270
<b><u>QA/OC Surrogates</u></b>							
% 2-Fluorobiphenyl	78		%	02/23/12		DD	30 - 130 %
% Nitrobenzene-d5	63		%	02/23/12		DD	30 - 130 %
% Terphenyl-d14	70		%	02/23/12		DD	30 - 130 %

**Comments:**

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

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**Phyllis Shiller, Laboratory Director**

**March 01, 2012**



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 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

March 01, 2012

FOR: Attn:  
 Royal Environmental  
 P.O. Box 8596  
 Pelham NY 10803

## Sample Information

Matrix: SOIL  
 Location Code: ROYAL-ENV  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date      Time  
 02/18/12      13:00  
 02/22/12      16:47

## Laboratory Data

SDG ID: GBB46391  
 Phoenix ID: BB46393

Project ID: 77 WEST PEST RD  
 Client ID: SOUTH WALL

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	87		%	02/22/12		JL	E160.3
Soil Extraction SVOA BN	Completed			02/22/12		BS/R	SW3545

## Volatile Organic Compounds

1,2,4-Trimethylbenzene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
Benzene	ND	2.3	ug/Kg	02/28/12		H/J	8021/8260
Ethylbenzene	ND	2.3	ug/Kg	02/28/12		H/J	8021/8260
Isopropylbenzene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
m&p-Xylene	ND	2.3	ug/Kg	02/28/12		H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
Naphthalene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
n-Butylbenzene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
n-Propylbenzene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
o-Xylene	ND	2.3	ug/Kg	02/28/12		H/J	8021/8260
p-Isopropyltoluene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
sec-Butylbenzene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
tert-Butylbenzene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
Toluene	ND	2.3	ug/Kg	02/28/12		H/J	8021/8260
Total Xylenes	ND	2.3	ug/Kg	02/28/12		H/J	8021/8260

## QA/QC Surrogates

% 1,2-Dichlorobenzene-d4	105		%	02/28/12		H/J	70 - 130 %
% Bromofluorobenzene	86		%	02/28/12		H/J	70 - 130 %
% Dibromofluoromethane	108		%	02/28/12		H/J	70 - 130 %
% Toluene-d8	99		%	02/28/12		H/J	70 - 130 %

## Semivolatiles

Acenaphthene	ND	270	ug/Kg	02/23/12		DD	SW 8270
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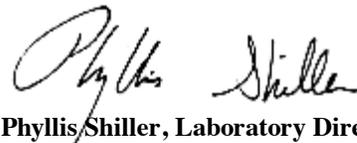
Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Anthracene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Chrysene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Fluoranthene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Fluorene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Naphthalene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Phenanthrene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Pyrene	ND	270	ug/Kg	02/23/12		DD	SW 8270
<b><u>QA/OC Surrogates</u></b>							
% 2-Fluorobiphenyl	75		%	02/23/12		DD	30 - 130 %
% Nitrobenzene-d5	80		%	02/23/12		DD	30 - 130 %
% Terphenyl-d14	60		%	02/23/12		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**  
**March 01, 2012**



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 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

March 01, 2012

FOR: Attn:  
 Royal Environmental  
 P.O. Box 8596  
 Pelham NY 10803

## Sample Information

Matrix: SOIL  
 Location Code: ROYAL-ENV  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 02/18/12 13:00  
 02/22/12 16:47

## Laboratory Data

SDG ID: GBB46391  
 Phoenix ID: BB46394

Project ID: 77 WEST PEST RD  
 Client ID: BOTTOM

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	62		%	02/22/12		JL	E160.3
Soil Extraction SVOA BN	Completed			02/22/12		BS/R	SW3545

## Volatile Organic Compounds

1,2,4-Trimethylbenzene	ND	1.6	ug/Kg	02/28/12		H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.6	ug/Kg	02/28/12		H/J	8021/8260
Benzene	ND	3.2	ug/Kg	02/28/12		H/J	8021/8260
Ethylbenzene	ND	3.2	ug/Kg	02/28/12		H/J	8021/8260
Isopropylbenzene	ND	1.6	ug/Kg	02/28/12		H/J	8021/8260
m&p-Xylene	ND	3.2	ug/Kg	02/28/12		H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	4.3	1.6	ug/Kg	02/28/12		H/J	8021/8260
Naphthalene	ND	1.6	ug/Kg	02/28/12		H/J	8021/8260
n-Butylbenzene	ND	1.6	ug/Kg	02/28/12		H/J	8021/8260
n-Propylbenzene	ND	1.6	ug/Kg	02/28/12		H/J	8021/8260
o-Xylene	ND	3.2	ug/Kg	02/28/12		H/J	8021/8260
p-Isopropyltoluene	ND	1.6	ug/Kg	02/28/12		H/J	8021/8260
sec-Butylbenzene	ND	1.6	ug/Kg	02/28/12		H/J	8021/8260
tert-Butylbenzene	ND	1.6	ug/Kg	02/28/12		H/J	8021/8260
Toluene	ND	3.2	ug/Kg	02/28/12		H/J	8021/8260
Total Xylenes	ND	3.2	ug/Kg	02/28/12		H/J	8021/8260

## QA/QC Surrogates

% 1,2-Dichlorobenzene-d4	102		%	02/28/12		H/J	70 - 130 %
% Bromofluorobenzene	87		%	02/28/12		H/J	70 - 130 %
% Dibromofluoromethane	104		%	02/28/12		H/J	70 - 130 %
% Toluene-d8	97		%	02/28/12		H/J	70 - 130 %

## Semivolatiles

Acenaphthene	ND	370	ug/Kg	02/23/12		DD	SW 8270
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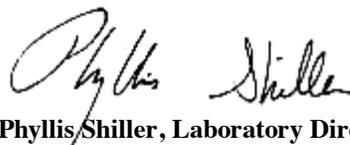
Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	370	ug/Kg	02/23/12		DD	SW 8270
Anthracene	ND	370	ug/Kg	02/23/12		DD	SW 8270
Benz(a)anthracene	ND	370	ug/Kg	02/23/12		DD	SW 8270
Benzo(a)pyrene	ND	370	ug/Kg	02/23/12		DD	SW 8270
Benzo(b)fluoranthene	ND	370	ug/Kg	02/23/12		DD	SW 8270
Benzo(ghi)perylene	ND	370	ug/Kg	02/23/12		DD	SW 8270
Benzo(k)fluoranthene	ND	370	ug/Kg	02/23/12		DD	SW 8270
Chrysene	ND	370	ug/Kg	02/23/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	370	ug/Kg	02/23/12		DD	SW 8270
Fluoranthene	ND	370	ug/Kg	02/23/12		DD	SW 8270
Fluorene	ND	370	ug/Kg	02/23/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	370	ug/Kg	02/23/12		DD	SW 8270
Naphthalene	ND	370	ug/Kg	02/23/12		DD	SW 8270
Phenanthrene	ND	370	ug/Kg	02/23/12		DD	SW 8270
Pyrene	ND	370	ug/Kg	02/23/12		DD	SW 8270
<b><u>QA/OC Surrogates</u></b>							
% 2-Fluorobiphenyl	69		%	02/23/12		DD	30 - 130 %
% Nitrobenzene-d5	64		%	02/23/12		DD	30 - 130 %
% Terphenyl-d14	68		%	02/23/12		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**  
**March 01, 2012**



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



# Analysis Report

March 01, 2012

FOR: Attn:  
 Royal Environmental  
 P.O. Box 8596  
 Pelham NY 10803

## Sample Information

Matrix: SOIL  
 Location Code: ROYAL-ENV  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date      Time  
 02/18/12      13:00  
 02/22/12      16:47

## Laboratory Data

SDG ID: GBB46391  
 Phoenix ID: BB46395

Project ID: 77 WEST PEST RD

Client ID: BOTTOM

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	85		%	02/22/12		JL	E160.3
Soil Extraction SVOA BN	Completed			02/22/12		BS/R	SW3545

## Volatile Organic Compounds

1,2,4-Trimethylbenzene	ND	1.2	ug/Kg	02/24/12		H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.2	ug/Kg	02/24/12		H/J	8021/8260
Benzene	ND	2.4	ug/Kg	02/24/12		H/J	8021/8260
Ethylbenzene	ND	2.4	ug/Kg	02/24/12		H/J	8021/8260
Isopropylbenzene	ND	1.2	ug/Kg	02/24/12		H/J	8021/8260
m&p-Xylene	ND	2.4	ug/Kg	02/24/12		H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1.2	ug/Kg	02/24/12		H/J	8021/8260
Naphthalene	ND	1.2	ug/Kg	02/24/12		H/J	8021/8260
n-Butylbenzene	ND	1.2	ug/Kg	02/24/12		H/J	8021/8260
n-Propylbenzene	ND	1.2	ug/Kg	02/24/12		H/J	8021/8260
o-Xylene	ND	2.4	ug/Kg	02/24/12		H/J	8021/8260
p-Isopropyltoluene	ND	1.2	ug/Kg	02/24/12		H/J	8021/8260
sec-Butylbenzene	ND	1.2	ug/Kg	02/24/12		H/J	8021/8260
tert-Butylbenzene	ND	1.2	ug/Kg	02/24/12		H/J	8021/8260
Toluene	ND	2.4	ug/Kg	02/24/12		H/J	8021/8260
Total Xylenes	ND	2.4	ug/Kg	02/24/12		H/J	8021/8260

## QA/QC Surrogates

% 1,2-Dichlorobenzene-d4	103		%	02/24/12		H/J	70 - 130 %
% Bromofluorobenzene	88		%	02/24/12		H/J	70 - 130 %
% Dibromofluoromethane	80		%	02/24/12		H/J	70 - 130 %
% Toluene-d8	104		%	02/24/12		H/J	70 - 130 %

## Semivolatiles

Acenaphthene	ND	270	ug/Kg	02/23/12		DD	SW 8270
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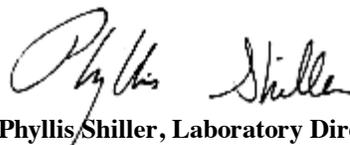
Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Anthracene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Chrysene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Fluoranthene	290	270	ug/Kg	02/23/12		DD	SW 8270
Fluorene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Naphthalene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Phenanthrene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Pyrene	ND	270	ug/Kg	02/23/12		DD	SW 8270
<b><u>QA/OC Surrogates</u></b>							
% 2-Fluorobiphenyl	67		%	02/23/12		DD	30 - 130 %
% Nitrobenzene-d5	62		%	02/23/12		DD	30 - 130 %
% Terphenyl-d14	66		%	02/23/12		DD	30 - 130 %

**Comments:**

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

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**Phyllis Shiller, Laboratory Director**

**March 01, 2012**



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



# Analysis Report

March 01, 2012

FOR: Attn:  
 Royal Environmental  
 P.O. Box 8596  
 Pelham NY 10803

## Sample Information

Matrix: SOIL  
 Location Code: ROYAL-ENV  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 02/18/12 13:00  
 02/22/12 16:47

## Laboratory Data

SDG ID: GBB46391  
 Phoenix ID: BB46396

Project ID: 77 WEST PEST RD  
 Client ID: NORTHWALL

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	83		%	02/22/12		JL	E160.3
Soil Extraction SVOA BN	Completed			02/22/12		BS/R	SW3545

## Volatile Organic Compounds

1,2,4-Trimethylbenzene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
Benzene	ND	2.4	ug/Kg	02/28/12		H/J	8021/8260
Ethylbenzene	ND	2.4	ug/Kg	02/28/12		H/J	8021/8260
Isopropylbenzene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
m&p-Xylene	ND	2.4	ug/Kg	02/28/12		H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
Naphthalene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
n-Butylbenzene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
n-Propylbenzene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
o-Xylene	ND	2.4	ug/Kg	02/28/12		H/J	8021/8260
p-Isopropyltoluene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
sec-Butylbenzene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
tert-Butylbenzene	ND	1.2	ug/Kg	02/28/12		H/J	8021/8260
Toluene	ND	2.4	ug/Kg	02/28/12		H/J	8021/8260
Total Xylenes	ND	2.4	ug/Kg	02/28/12		H/J	8021/8260

## QA/QC Surrogates

% 1,2-Dichlorobenzene-d4	100		%	02/28/12		H/J	70 - 130 %
% Bromofluorobenzene	93		%	02/28/12		H/J	70 - 130 %
% Dibromofluoromethane	102		%	02/28/12		H/J	70 - 130 %
% Toluene-d8	100		%	02/28/12		H/J	70 - 130 %

## Semivolatiles

Acenaphthene	ND	270	ug/Kg	02/23/12		DD	SW 8270
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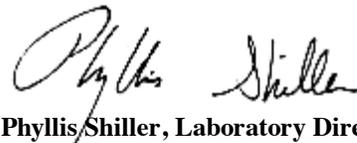
Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Anthracene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benzo(b)fluoranthene	350	270	ug/Kg	02/23/12		DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Chrysene	270	270	ug/Kg	02/23/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Fluoranthene	420	270	ug/Kg	02/23/12		DD	SW 8270
Fluorene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Naphthalene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Phenanthrene	ND	270	ug/Kg	02/23/12		DD	SW 8270
Pyrene	370	270	ug/Kg	02/23/12		DD	SW 8270
<b><u>QA/OC Surrogates</u></b>							
% 2-Fluorobiphenyl	73		%	02/23/12		DD	30 - 130 %
% Nitrobenzene-d5	68		%	02/23/12		DD	30 - 130 %
% Terphenyl-d14	69		%	02/23/12		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**  
**March 01, 2012**



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



# Analysis Report

March 01, 2012

FOR: Attn:  
 Royal Environmental  
 P.O. Box 8596  
 Pelham NY 10803

## Sample Information

Matrix: SOIL  
 Location Code: ROYAL-ENV  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 02/18/12 13:00  
 02/22/12 16:47

## Laboratory Data

SDG ID: GBB46391  
 Phoenix ID: BB46397

Project ID: 77 WEST PEST RD

Client ID: EAST WALL

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	79		%	02/22/12		JL	E160.3
Soil Extraction SVOA BN	Completed			02/22/12		BS/R	SW3545

## Volatile Organic Compounds

1,2,4-Trimethylbenzene	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
Benzene	ND	2.5	ug/Kg	02/25/12		H/J	8021/8260
Ethylbenzene	ND	2.5	ug/Kg	02/25/12		H/J	8021/8260
Isopropylbenzene	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
m&p-Xylene	ND	2.5	ug/Kg	02/25/12		H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
Naphthalene	11	1.3	ug/Kg	02/25/12		H/J	8021/8260
n-Butylbenzene	2.4	1.3	ug/Kg	02/25/12		H/J	8021/8260
n-Propylbenzene	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
o-Xylene	ND	2.5	ug/Kg	02/25/12		H/J	8021/8260
p-Isopropyltoluene	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
sec-Butylbenzene	2.6	1.3	ug/Kg	02/25/12		H/J	8021/8260
tert-Butylbenzene	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
Toluene	ND	2.5	ug/Kg	02/25/12		H/J	8021/8260
Total Xylenes	ND	2.5	ug/Kg	02/25/12		H/J	8021/8260

## QA/QC Surrogates

% 1,2-Dichlorobenzene-d4	99		%	02/25/12		H/J	70 - 130 %
% Bromofluorobenzene	122		%	02/25/12		H/J	70 - 130 %
% Dibromofluoromethane	91		%	02/25/12		H/J	70 - 130 %
% Toluene-d8	106		%	02/25/12		H/J	70 - 130 %

## Semivolatiles

Acenaphthene	ND	290	ug/Kg	02/23/12		DD	SW 8270
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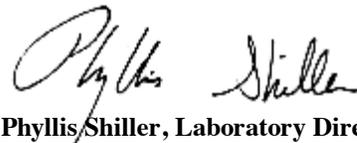
Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Anthracene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Benz(a)anthracene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Benzo(a)pyrene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Benzo(b)fluoranthene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Benzo(ghi)perylene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Benzo(k)fluoranthene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Chrysene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Fluoranthene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Fluorene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Naphthalene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Phenanthrene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Pyrene	ND	290	ug/Kg	02/23/12		DD	SW 8270
<b><u>QA/OC Surrogates</u></b>							
% 2-Fluorobiphenyl	58		%	02/23/12		DD	30 - 130 %
% Nitrobenzene-d5	52		%	02/23/12		DD	30 - 130 %
% Terphenyl-d14	51		%	02/23/12		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**  
**March 01, 2012**



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



# Analysis Report

March 01, 2012

FOR: Attn:  
 Royal Environmental  
 P.O. Box 8596  
 Pelham NY 10803

## Sample Information

Matrix: SOIL  
 Location Code: ROYAL-ENV  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date      Time  
 02/18/12      13:00  
 02/22/12      16:47

## Laboratory Data

SDG ID: GBB46391  
 Phoenix ID: BB46398

Project ID: 77 WEST PEST RD  
 Client ID: SOUTH WALL

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	79		%	02/22/12		JL	E160.3
Soil Extraction SVOA BN	Completed			02/22/12		BS/R	SW3545

## Volatile Organic Compounds

1,2,4-Trimethylbenzene	ND	1.3	ug/Kg	02/28/12		H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.3	ug/Kg	02/28/12		H/J	8021/8260
Benzene	ND	2.5	ug/Kg	02/28/12		H/J	8021/8260
Ethylbenzene	ND	2.5	ug/Kg	02/28/12		H/J	8021/8260
Isopropylbenzene	ND	1.3	ug/Kg	02/28/12		H/J	8021/8260
m&p-Xylene	ND	2.5	ug/Kg	02/28/12		H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1.3	ug/Kg	02/28/12		H/J	8021/8260
Naphthalene	ND	1.3	ug/Kg	02/28/12		H/J	8021/8260
n-Butylbenzene	ND	1.3	ug/Kg	02/28/12		H/J	8021/8260
n-Propylbenzene	ND	1.3	ug/Kg	02/28/12		H/J	8021/8260
o-Xylene	ND	2.5	ug/Kg	02/28/12		H/J	8021/8260
p-Isopropyltoluene	ND	1.3	ug/Kg	02/28/12		H/J	8021/8260
sec-Butylbenzene	ND	1.3	ug/Kg	02/28/12		H/J	8021/8260
tert-Butylbenzene	ND	1.3	ug/Kg	02/28/12		H/J	8021/8260
Toluene	ND	2.5	ug/Kg	02/28/12		H/J	8021/8260
Total Xylenes	ND	2.5	ug/Kg	02/28/12		H/J	8021/8260

## QA/QC Surrogates

% 1,2-Dichlorobenzene-d4	101		%	02/28/12		H/J	70 - 130 %
% Bromofluorobenzene	85		%	02/28/12		H/J	70 - 130 %
% Dibromofluoromethane	97		%	02/28/12		H/J	70 - 130 %
% Toluene-d8	98		%	02/28/12		H/J	70 - 130 %

## Semivolatiles

Acenaphthene	ND	290	ug/Kg	02/23/12		DD	SW 8270
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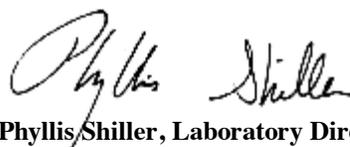
Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Anthracene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Benz(a)anthracene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Benzo(a)pyrene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Benzo(b)fluoranthene	330	290	ug/Kg	02/23/12		DD	SW 8270
Benzo(ghi)perylene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Benzo(k)fluoranthene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Chrysene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Fluoranthene	350	290	ug/Kg	02/23/12		DD	SW 8270
Fluorene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Naphthalene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Phenanthrene	ND	290	ug/Kg	02/23/12		DD	SW 8270
Pyrene	310	290	ug/Kg	02/23/12		DD	SW 8270
<b><u>QA/OC Surrogates</u></b>							
% 2-Fluorobiphenyl	81		%	02/23/12		DD	30 - 130 %
% Nitrobenzene-d5	69		%	02/23/12		DD	30 - 130 %
% Terphenyl-d14	67		%	02/23/12		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**  
**March 01, 2012**



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



# Analysis Report

March 01, 2012

FOR: Attn:  
 Royal Environmental  
 P.O. Box 8596  
 Pelham NY 10803

## Sample Information

Matrix: SOIL  
 Location Code: ROYAL-ENV  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date      Time  
 02/18/12      13:00  
 02/22/12      16:47

## Laboratory Data

SDG ID: GBB46391  
 Phoenix ID: BB46399

Project ID: 77 WEST PEST RD  
 Client ID: WEST WALL

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	87		%	02/22/12		JL	E160.3
Soil Extraction SVOA BN	Completed			02/22/12		BS/R	SW3545

## Volatile Organic Compounds

1,2,4-Trimethylbenzene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
Benzene	ND	2.3	ug/Kg	02/28/12		H/J	8021/8260
Ethylbenzene	ND	2.3	ug/Kg	02/28/12		H/J	8021/8260
Isopropylbenzene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
m&p-Xylene	ND	2.3	ug/Kg	02/28/12		H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
Naphthalene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
n-Butylbenzene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
n-Propylbenzene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
o-Xylene	ND	2.3	ug/Kg	02/28/12		H/J	8021/8260
p-Isopropyltoluene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
sec-Butylbenzene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
tert-Butylbenzene	ND	1.1	ug/Kg	02/28/12		H/J	8021/8260
Toluene	ND	2.3	ug/Kg	02/28/12		H/J	8021/8260
Total Xylenes	ND	2.3	ug/Kg	02/28/12		H/J	8021/8260

## QA/QC Surrogates

% 1,2-Dichlorobenzene-d4	107		%	02/28/12		H/J	70 - 130 %
% Bromofluorobenzene	91		%	02/28/12		H/J	70 - 130 %
% Dibromofluoromethane	104		%	02/28/12		H/J	70 - 130 %
% Toluene-d8	101		%	02/28/12		H/J	70 - 130 %

## Semivolatiles

Acenaphthene	ND	260	ug/Kg	02/23/12		DD	SW 8270
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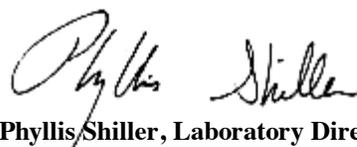
Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Anthracene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Benzo(b)fluoranthene	300	260	ug/Kg	02/23/12		DD	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Chrysene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Fluoranthene	330	260	ug/Kg	02/23/12		DD	SW 8270
Fluorene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Naphthalene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Phenanthrene	ND	260	ug/Kg	02/23/12		DD	SW 8270
Pyrene	290	260	ug/Kg	02/23/12		DD	SW 8270
<b><u>QA/OC Surrogates</u></b>							
% 2-Fluorobiphenyl	80		%	02/23/12		DD	30 - 130 %
% Nitrobenzene-d5	64		%	02/23/12		DD	30 - 130 %
% Terphenyl-d14	64		%	02/23/12		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**  
**March 01, 2012**



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 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

March 01, 2012

FOR: Attn:  
 Royal Environmental  
 P.O. Box 8596  
 Pelham NY 10803

## Sample Information

Matrix: SOIL  
 Location Code: ROYAL-ENV  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date      Time  
 02/18/12      13:00  
 02/22/12      16:47

## Laboratory Data

SDG ID: GBB46391  
 Phoenix ID: BB46400

Project ID: 77 WEST PEST RD  
 Client ID: NORTH/WEST WALL

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	77		%	02/22/12		JL	E160.3
Soil Extraction SVOA BN	Completed			02/22/12		BS/R	SW3545

## Volatile Organic Compounds

1,2,4-Trimethylbenzene	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
Benzene	ND	2.6	ug/Kg	02/25/12		H/J	8021/8260
Ethylbenzene	ND	2.6	ug/Kg	02/25/12		H/J	8021/8260
Isopropylbenzene	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
m&p-Xylene	ND	2.6	ug/Kg	02/25/12		H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
Naphthalene	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
n-Butylbenzene	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
n-Propylbenzene	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
o-Xylene	ND	2.6	ug/Kg	02/25/12		H/J	8021/8260
p-Isopropyltoluene	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
sec-Butylbenzene	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
tert-Butylbenzene	ND	1.3	ug/Kg	02/25/12		H/J	8021/8260
Toluene	ND	2.6	ug/Kg	02/25/12		H/J	8021/8260
Total Xylenes	ND	2.6	ug/Kg	02/25/12		H/J	8021/8260

## QA/QC Surrogates

% 1,2-Dichlorobenzene-d4	97		%	02/25/12		H/J	70 - 130 %
% Bromofluorobenzene	97		%	02/25/12		H/J	70 - 130 %
% Dibromofluoromethane	91		%	02/25/12		H/J	70 - 130 %
% Toluene-d8	101		%	02/25/12		H/J	70 - 130 %

## Semivolatiles

Acenaphthene	ND	300	ug/Kg	02/23/12		DD	SW 8270
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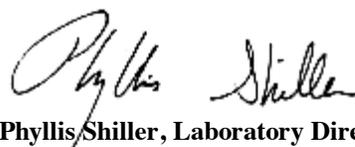
Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	300	ug/Kg	02/23/12		DD	SW 8270
Anthracene	ND	300	ug/Kg	02/23/12		DD	SW 8270
Benz(a)anthracene	660	300	ug/Kg	02/23/12		DD	SW 8270
Benzo(a)pyrene	670	300	ug/Kg	02/23/12		DD	SW 8270
Benzo(b)fluoranthene	920	300	ug/Kg	02/23/12		DD	SW 8270
Benzo(ghi)perylene	ND	300	ug/Kg	02/23/12		DD	SW 8270
Benzo(k)fluoranthene	360	300	ug/Kg	02/23/12		DD	SW 8270
Chrysene	640	300	ug/Kg	02/23/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	300	ug/Kg	02/23/12		DD	SW 8270
Fluoranthene	1100	300	ug/Kg	02/23/12		DD	SW 8270
Fluorene	ND	300	ug/Kg	02/23/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	300	ug/Kg	02/23/12		DD	SW 8270
Naphthalene	ND	300	ug/Kg	02/23/12		DD	SW 8270
Phenanthrene	710	300	ug/Kg	02/23/12		DD	SW 8270
Pyrene	910	300	ug/Kg	02/23/12		DD	SW 8270
<b><u>QA/OC Surrogates</u></b>							
% 2-Fluorobiphenyl	69		%	02/23/12		DD	30 - 130 %
% Nitrobenzene-d5	63		%	02/23/12		DD	30 - 130 %
% Terphenyl-d14	61		%	02/23/12		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**

**March 01, 2012**



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 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

March 01, 2012

FOR: Attn:  
 Royal Environmental  
 P.O. Box 8596  
 Pelham NY 10803

## Sample Information

Matrix: SOIL  
 Location Code: ROYAL-ENV  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 02/18/12 13:00  
 02/22/12 16:47

## Laboratory Data

SDG ID: GBB46391  
 Phoenix ID: BB46401

Project ID: 77 WEST PEST RD  
 Client ID: BOTTOM

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	66		%	02/22/12		JL	E160.3
Soil Extraction SVOA BN	Completed			02/22/12		BS/R	SW3545

## Volatile Organic Compounds

1,2,4-Trimethylbenzene	ND	1.5	ug/Kg	02/25/12		H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.5	ug/Kg	02/25/12		H/J	8021/8260
Benzene	ND	3.0	ug/Kg	02/25/12		H/J	8021/8260
Ethylbenzene	ND	3.0	ug/Kg	02/25/12		H/J	8021/8260
Isopropylbenzene	ND	1.5	ug/Kg	02/25/12		H/J	8021/8260
m&p-Xylene	ND	3.0	ug/Kg	02/25/12		H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	1.8	1.5	ug/Kg	02/25/12		H/J	8021/8260
Naphthalene	14	1.5	ug/Kg	02/25/12		H/J	8021/8260
n-Butylbenzene	25	1.5	ug/Kg	02/25/12		H/J	8021/8260
n-Propylbenzene	ND	1.5	ug/Kg	02/25/12		H/J	8021/8260
o-Xylene	ND	3.0	ug/Kg	02/25/12		H/J	8021/8260
p-Isopropyltoluene	ND	1.5	ug/Kg	02/25/12		H/J	8021/8260
sec-Butylbenzene	28	1.5	ug/Kg	02/25/12		H/J	8021/8260
tert-Butylbenzene	1.6	1.5	ug/Kg	02/25/12		H/J	8021/8260
Toluene	ND	3.0	ug/Kg	02/25/12		H/J	8021/8260
Total Xylenes	ND	3.0	ug/Kg	02/25/12		H/J	8021/8260

## QA/QC Surrogates

% 1,2-Dichlorobenzene-d4	116		%	02/25/12		H/J	70 - 130 %
% Bromofluorobenzene	122		%	02/25/12		H/J	70 - 130 %
% Dibromofluoromethane	86		%	02/25/12		H/J	70 - 130 %
% Toluene-d8	106		%	02/25/12		H/J	70 - 130 %

## Semivolatiles

Acenaphthene	ND	700	ug/Kg	02/23/12		DD	SW 8270
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Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	700	ug/Kg	02/23/12		DD	SW 8270
Anthracene	ND	700	ug/Kg	02/23/12		DD	SW 8270
Benz(a)anthracene	ND	700	ug/Kg	02/23/12		DD	SW 8270
Benzo(a)pyrene	ND	700	ug/Kg	02/23/12		DD	SW 8270
Benzo(b)fluoranthene	ND	700	ug/Kg	02/23/12		DD	SW 8270
Benzo(ghi)perylene	ND	700	ug/Kg	02/23/12		DD	SW 8270
Benzo(k)fluoranthene	ND	700	ug/Kg	02/23/12		DD	SW 8270
Chrysene	ND	700	ug/Kg	02/23/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	700	ug/Kg	02/23/12		DD	SW 8270
Fluoranthene	ND	700	ug/Kg	02/23/12		DD	SW 8270
Fluorene	ND	700	ug/Kg	02/23/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	700	ug/Kg	02/23/12		DD	SW 8270
Naphthalene	ND	700	ug/Kg	02/23/12		DD	SW 8270
Phenanthrene	1300	700	ug/Kg	02/23/12		DD	SW 8270
Pyrene	ND	700	ug/Kg	02/23/12		DD	SW 8270
<b><u>QA/OC Surrogates</u></b>							
% 2-Fluorobiphenyl	78		%	02/23/12		DD	30 - 130 %
% Nitrobenzene-d5	75		%	02/23/12		DD	30 - 130 %
% Terphenyl-d14	68		%	02/23/12		DD	30 - 130 %

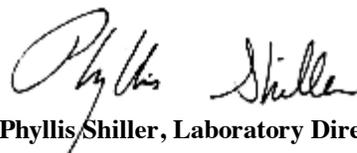
**Comments:**

\* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

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**  
**March 01, 2012**



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



# QA/QC Report

March 01, 2012

## QA/QC Data

SDG I.D.: GBB46391

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 194767, QC Sample No: BB45376 (BB46391, BB46392, BB46393, BB46394, BB46395, BB46396, BB46397, BB46398)									
<b>Polynuclear Aromatic HC - Soil</b>									
Acenaphthene	ND	84	82	2.4	95	96	1.0	30 - 130	30
Acenaphthylene	ND	81	79	2.5	92	93	1.1	30 - 130	30
Anthracene	ND	83	82	1.2	98	98	0.0	30 - 130	30
Benz(a)anthracene	ND	88	86	2.3	102	103	1.0	30 - 130	30
Benzo(a)pyrene	ND	85	83	2.4	99	101	2.0	30 - 130	30
Benzo(b)fluoranthene	ND	96	90	6.5	111	116	4.4	30 - 130	30
Benzo(ghi)perylene	ND	63	64	1.6	75	67	11.3	30 - 130	30
Benzo(k)fluoranthene	ND	92	94	2.2	114	118	3.4	30 - 130	30
Chrysene	ND	88	87	1.1	103	105	1.9	30 - 130	30
Dibenz(a,h)anthracene	ND	67	68	1.5	80	72	10.5	30 - 130	30
Fluoranthene	ND	90	90	0.0	109	114	4.5	30 - 130	30
Fluorene	ND	85	83	2.4	99	98	1.0	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	67	67	0.0	79	71	10.7	30 - 130	30
Naphthalene	ND	78	75	3.9	88	87	1.1	30 - 130	30
Phenanthrene	ND	88	85	3.5	103	104	1.0	30 - 130	30
Pyrene	ND	93	95	2.1	115	122	5.9	30 - 130	30
% 2-Fluorobiphenyl	78	76	74	2.7	85	88	3.5	30 - 130	30
% Nitrobenzene-d5	79	75	74	1.3	85	85	0.0	30 - 130	30
% Terphenyl-d14	76	75	77	2.6	93	100	7.3	30 - 130	30
QA/QC Batch 195082, QC Sample No: BB46302 (BB46397, BB46400, BB46401)									
<b>Volatiles - Soil</b>									
1,2,4-Trimethylbenzene	ND	105	99	5.9	87	89	2.3	70 - 130	30
1,3,5-Trimethylbenzene	ND	106	101	4.8	93	96	3.2	70 - 130	30
Benzene	ND	118	100	16.5	103	117	12.7	70 - 130	30
Ethylbenzene	ND	109	96	12.7	93	102	9.2	70 - 130	30
Isopropylbenzene	ND	113	99	13.2	97	108	10.7	70 - 130	30
m&p-Xylene	ND	107	97	9.8	93	97	4.2	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	96	101	5.1	88	75	16.0	70 - 130	30
Naphthalene	ND	116	121	4.2	107	94	12.9	70 - 130	30
n-Butylbenzene	ND	105	95	10.0	83	87	4.7	70 - 130	30
n-Propylbenzene	ND	104	91	13.3	84	95	12.3	70 - 130	30
o-Xylene	ND	108	99	8.7	96	98	2.1	70 - 130	30
p-Isopropyltoluene	ND	112	102	9.3	93	98	5.2	70 - 130	30
sec-Butylbenzene	ND	108	96	11.8	93	101	8.2	70 - 130	30
tert-Butylbenzene	ND	112	101	10.3	98	106	7.8	70 - 130	30
Toluene	ND	110	99	10.5	101	111	9.4	70 - 130	30
% 1,2-dichlorobenzene-d4	101	100	101	1.0	100	96	4.1	70 - 130	30
% Bromofluorobenzene	93	100	99	1.0	98	97	1.0	70 - 130	30
% Dibromofluoromethane	90	94	97	3.1	95	96	1.0	70 - 130	30
% Toluene-d8	94	102	101	1.0	99	105	5.9	70 - 130	30

## QA/QC Data

SDG I.D.: GBB46391

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Comment:									
A blank MS/MSD was analyzed with this batch.									
QA/QC Batch 195083, QC Sample No: BB46395 (BB46395)									
<b><u>Volatiles - Soil</u></b>									
1,2,4-Trimethylbenzene	ND	121	115	5.1				70 - 130	30
1,3,5-Trimethylbenzene	ND	122	113	7.7				70 - 130	30
Benzene	ND	110	118	7.0				70 - 130	30
Ethylbenzene	ND	113	110	2.7				70 - 130	30
Isopropylbenzene	ND	118	115	2.6				70 - 130	30
m&p-Xylene	ND	113	109	3.6				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	114	102	11.1				70 - 130	30
Naphthalene	ND	145	123	16.4				70 - 130	30
n-Butylbenzene	ND	122	120	1.7				70 - 130	30
n-Propylbenzene	ND	112	110	1.8				70 - 130	30
o-Xylene	ND	114	110	3.6				70 - 130	30
p-Isopropyltoluene	ND	126	122	3.2				70 - 130	30
sec-Butylbenzene	ND	115	112	2.6				70 - 130	30
tert-Butylbenzene	ND	117	114	2.6				70 - 130	30
Toluene	ND	113	111	1.8				70 - 130	30
% 1,2-dichlorobenzene-d4	101	102	99	3.0				70 - 130	30
% Bromofluorobenzene	90	95	96	1.0				70 - 130	30
% Dibromofluoromethane	91	104	99	4.9				70 - 130	30
% Toluene-d8	100	101	104	2.9				70 - 130	30
Comment:									
The MS/MSD are not reported for this batch.									
QA/QC Batch 194840, QC Sample No: BB46421 (BB46399, BB46400, BB46401)									
<b><u>Polynuclear Aromatic HC - Soil</u></b>									
Acenaphthene	ND	65	66	1.5	86	87	1.2	30 - 130	30
Acenaphthylene	ND	68	67	1.5	86	86	0.0	30 - 130	30
Anthracene	ND	71	70	1.4	91	91	0.0	30 - 130	30
Benz(a)anthracene	ND	73	72	1.4	101	101	0.0	30 - 130	30
Benzo(a)pyrene	ND	72	72	0.0	91	93	2.2	30 - 130	30
Benzo(b)fluoranthene	ND	79	76	3.9	100	98	2.0	30 - 130	30
Benzo(ghi)perylene	ND	70	69	1.4	96	99	3.1	30 - 130	30
Benzo(k)fluoranthene	ND	76	77	1.3	95	102	7.1	30 - 130	30
Chrysene	ND	73	74	1.4	101	102	1.0	30 - 130	30
Dibenz(a,h)anthracene	ND	72	70	2.8	94	95	1.1	30 - 130	30
Fluoranthene	ND	75	72	4.1	107	102	4.8	30 - 130	30
Fluorene	ND	75	75	0.0	96	97	1.0	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	71	71	0.0	97	99	2.0	30 - 130	30
Naphthalene	ND	65	64	1.6	81	80	1.2	30 - 130	30
Phenanthrene	ND	74	73	1.4	105	105	0.0	30 - 130	30
Pyrene	ND	77	75	2.6	112	107	4.6	30 - 130	30
% 2-Fluorobiphenyl	64	62	62	0.0	81	80	1.2	30 - 130	30
% Nitrobenzene-d5	56	56	56	0.0	66	70	5.9	30 - 130	30
% Terphenyl-d14	60	60	58	3.4	79	76	3.9	30 - 130	30
QA/QC Batch 195157, QC Sample No: BB46424 (BB46392)									
<b><u>Volatiles - Soil</u></b>									
1,2,4-Trimethylbenzene	ND	119	116	2.6	118	85	32.5	70 - 130	30
1,3,5-Trimethylbenzene	ND	118	114	3.4	125	90	32.6	70 - 130	30
Benzene	ND	104	105	1.0	102	94	8.2	70 - 130	30

## QA/QC Data

SDG I.D.: GBB46391

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Ethylbenzene	ND	108	108	0.0	104	94	10.1	70 - 130	30	
Isopropylbenzene	ND	111	106	4.6	141	96	38.0	70 - 130	30	m,r
m&p-Xylene	ND	109	110	0.9	105	94	11.1	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	95	99	4.1	103	87	16.8	70 - 130	30	
Naphthalene	ND	103	127	20.9	53	44	18.6	70 - 130	30	m
n-Butylbenzene	ND	133	124	7.0	104	84	21.3	70 - 130	30	i
n-Propylbenzene	ND	110	106	3.7	132	92	35.7	70 - 130	30	m,r
o-Xylene	ND	106	109	2.8	104	93	11.2	70 - 130	30	
p-Isopropyltoluene	ND	124	119	4.1	114	87	26.9	70 - 130	30	
sec-Butylbenzene	ND	114	109	4.5	118	90	26.9	70 - 130	30	
tert-Butylbenzene	ND	111	106	4.6	124	92	29.6	70 - 130	30	
Toluene	ND	107	109	1.9	99	93	6.3	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	98	103	5.0	101	99	2.0	70 - 130	30	
% Bromofluorobenzene	95	101	105	3.9	88	99	11.8	70 - 130	30	
% Dibromofluoromethane	99	98	102	4.0	106	97	8.9	70 - 130	30	
% Toluene-d8	99	102	102	0.0	98	101	3.0	70 - 130	30	

QA/QC Batch 195226, QC Sample No: BB47391 (BB46391)

### Volatiles - Soil

1,2,4-Trimethylbenzene	ND	115	109	5.4	117	127	8.2	70 - 130	30	
1,3,5-Trimethylbenzene	ND	117	110	6.2	115	129	11.5	70 - 130	30	
Benzene	ND	109	108	0.9	109	112	2.7	70 - 130	30	
Ethylbenzene	ND	111	107	3.7	112	118	5.2	70 - 130	30	
Isopropylbenzene	ND	113	103	9.3	112	126	11.8	70 - 130	30	
m&p-Xylene	ND	108	106	1.9	113	120	6.0	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	101	99	2.0	99	98	1.0	70 - 130	30	
Naphthalene	ND	112	122	8.5	125	114	9.2	70 - 130	30	
n-Butylbenzene	ND	122	111	9.4	124	143	14.2	70 - 130	30	m
n-Propylbenzene	ND	107	100	6.8	115	130	12.2	70 - 130	30	
o-Xylene	ND	107	107	0.0	113	117	3.5	70 - 130	30	
p-Isopropyltoluene	ND	120	111	7.8	119	133	11.1	70 - 130	30	m
sec-Butylbenzene	ND	114	106	7.3	118	133	12.0	70 - 130	30	m
tert-Butylbenzene	ND	114	106	7.3	116	129	10.6	70 - 130	30	
Toluene	ND	111	110	0.9	112	115	2.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	104	98	102	4.0	101	100	1.0	70 - 130	30	
% Bromofluorobenzene	98	101	106	4.8	105	101	3.9	70 - 130	30	
% Dibromofluoromethane	103	101	106	4.8	99	97	2.0	70 - 130	30	
% Toluene-d8	101	102	103	1.0	103	102	1.0	70 - 130	30	

QA/QC Batch 195224, QC Sample No: BB47572 (BB46393, BB46394, BB46396, BB46398, BB46399)

### Volatiles - Soil

1,2,4-Trimethylbenzene	ND	104	110	5.6	116	122	5.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	107	114	6.3	114	121	6.0	70 - 130	30	
Benzene	ND	107	108	0.9	105	110	4.7	70 - 130	30	
Ethylbenzene	ND	104	108	3.8	109	115	5.4	70 - 130	30	
Isopropylbenzene	ND	103	112	8.4	108	117	8.0	70 - 130	30	
m&p-Xylene	ND	104	107	2.8	113	117	3.5	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	105	100	4.9	105	99	5.9	70 - 130	30	
Naphthalene	ND	116	102	12.8	122	108	12.2	70 - 130	30	
n-Butylbenzene	ND	102	112	9.3	124	137	10.0	70 - 130	30	m
n-Propylbenzene	ND	96	105	9.0	113	121	6.8	70 - 130	30	
o-Xylene	ND	106	108	1.9	113	115	1.8	70 - 130	30	
p-Isopropyltoluene	ND	106	114	7.3	116	126	8.3	70 - 130	30	
sec-Butylbenzene	ND	104	114	9.2	115	125	8.3	70 - 130	30	

## QA/QC Data

SDG I.D.: GBB46391

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
tert-Butylbenzene	ND	106	115	8.1	111	120	7.8	70 - 130	30
Toluene	ND	109	109	0.0	109	113	3.6	70 - 130	30
% 1,2-dichlorobenzene-d4	100	101	100	1.0	103	100	3.0	70 - 130	30
% Bromofluorobenzene	96	103	100	3.0	105	102	2.9	70 - 130	30
% Dibromofluoromethane	98	103	97	6.0	101	95	6.1	70 - 130	30
% Toluene-d8	101	103	102	1.0	102	101	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  
March 01, 2012

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WATER, SOIL AND AIR ANALYSIS

41 Kenosia Avenue | Danbury, Connecticut 06810 | Telephone 203-798-2229

Chain of Custody/Request for Analysis Document

Client Name/Address Royal Edwards Hotel PO Box 8586 Pelham NY 10803		Fax # 914 328-6545		Turnaround Required Normal <input checked="" type="checkbox"/> STAT <input type="checkbox"/>		Sample Receipt Sample Temp °C Rec'd on Ice pH check Chlor. Res. Note: Sample Temp. upon receipt must be <6.0°C		Comments/Instructions J1200648-1 649-2 650-3 651-4 652-5 653-6 654-7 655-8 656-9 657-10	
Contact Marc Tischak Phone (914) 328-6545		Type: G=Grab; C= Composite; SS=Split Spoon		24 48 By: Report Type:		250ml Plastic NaOH 250ml Plastic HNO3 Liter Plastic 125ml Sterile 8oz Glass 250ml Pl. NaOH/ZnAc			
Project Location 77 West Post Rd White Plains Project ID: SCHWITZ AUTO GROUP SCHWITZ PROPERTIES		Matrix: S=soil; L=Liquid; SL=sludge; A=Air; P=Paint Chips; B=Bulk material		40ml glass HCL Liter glass HCL Liter Amber Plain		Analysis Requested 8270 STARS			
Sampler Name (Print) Marc Tischak		Date 2/18/12		Time 1:01					
Sampler Signature		Date		Time					
Laboratory ID # For lab use only		Sampling Info		Client Sample #/Location					
1		Date 2/18/12:00		Matrix S		Type G		East Wall	
2		Date 2/18/12:00		Matrix S		Type G		North Wall	
3		Date 2/18/12:00		Matrix S		Type G		South Wall	
4		Date 2/18/12:00		Matrix S		Type G		Bottom	
5		Date 2/18/12:00		Matrix S		Type G		Bottom	
6		Date 2/18/12:00		Matrix S		Type G		North Wall	
7		Date 2/18/12:00		Matrix S		Type G		East Wall	
8		Date 2/18/12:00		Matrix S		Type G		South Wall	
9		Date 2/18/12:00		Matrix S		Type G		West Wall	
10		Date 2/18/12:00		Matrix S		Type G		North West	
Relinquished by: [Signature]		Date		Time		Received by: Marc Tischak		Date 2/21/12 Time 12:00	
Relinquished by: [Signature]		Date		Time		Received by: [Signature]		Date 2/21/12 Time 15:00	
Relinquished by: [Signature]		Date		Time		Received by: [Signature]		Date 2/20/12 Time 16:47	
Relinquished by: [Signature]		Date		Time		Received by: [Signature]		Date	



41 Kenosia Avenue | Danbury, Connecticut 06810 | Telephone 203-798-2229

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Chain of Custody/Request for Analysis Document

Client Name/Address		Fax # 914 428-5763		Sample Receipt		Comments/Instructions
Royal Environmental Services, Inc. P.O. Box 8596 Pelham NY 10803		Email1 Email2 Email3		Sample Temp Rec'd on Ice pH check Chlor. Res.		
Contact Marc Tscholar Phone (914) 328-6545 Project Location 77 West Pass Rd Whale Plains NY		Type: G=Grab; C= Composite; SS=Split Spoon		Normal <input checked="" type="checkbox"/> STAT		51200658-11
Project ID: Scholtz Auto Group Grid Property's		Matrix: S=soil; L=Liquid; SL=sludge; A=Air; P=Paint Chips; B=Bulk material		24 48 By: Report Type:		
Sampler Name (Print) Marc Tscholar		Date 2/18/12 Time 1:00		250ml Plastic NaOH		8260 STARS / 8271 STARS
Sampler Signature <i>M Tscholar</i>		Client Sample #/Location		250ml Plastic HNO3		
Laboratory ID # For lab use only		Date 2/18/12 Time 1:00		Liter Amber Plain		
11		2118 1:00 S G Bottom		Liter glass HCL		
				40ml glass HCL		
				Total # of Containers		
				40401		
				Liter glass HCL		
				Liter Plastic		
				250ml Plastic NaOH		
				250ml Plastic HNO3		
				Liter Plastic		
				125ml Sterile		
				8oz Glass		
				4oz Glass		
				250ml Pl. NaOH/ZnAc		
Relinquished by:		Date	Time	Received by: <i>John Gaudin</i>	Date	Time
Relinquished by: <i>Bottom</i>		Date	Time	Received by: <i>John Gaudin</i>	Date 2/22/12	Time 15:20
Relinquished by: <i>Bottom</i>		Date	Time	Received by: <i>Paradise</i>	Date 2/22/12	Time 10:47
Relinquished by:		Date	Time	Received by:	Date	Time

**APPENDIX D**  
**SOIL DISPOSAL RECEIPTS**

Log Number

# SOIL SAFE, INC.

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name Sholtz Auto Body Generator Site/Location Same  
 Address 77 West Post Rd Address \_\_\_\_\_  
White Plains, NY  
 Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval  
Number  
24  
8412

Description of Material  
 Non-Regulated Petroleum  
 Contaminated Soil  
 Non-DOT/RCRA Regulated

ID 598  
 GROSS 43.05 T GROSS  
 TARE 14.51 T TARE  
 NET 28.54 T NET  
 LOG S  
02/20/2012 TONNAGE  
1:22AM

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged according to applicable regulations, and is in proper condition for transportation

Marc Tsch... Signature 2/20/12 Shipment Date  
 Generator Authorized Agent Name

### TRANSPORTER

Transporter Name Carsillo's Sons Driver Name (Print) Cesar Machado  
 Address 11 Rousseau Ave Vehicle License No. / State / EPA No. AM185A  
E. Hanover, NJ Truck Number 14 598

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 2/20/12 Driver Signature Shipment Date  
[Signature] 2/20/12 Driver Signature Delivery Date

### DESTINATION

Site Name Soil Safe, Inc. - Bridgeport Phone No. 1-856-467-8030  
 Address 378 Route 120 Logan Township, NJ 08085  
 No left turn on Rt. 130 North into the facility.  
 Business hours are: Monday through Friday 7 AM to 5 PM or 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.  
[Signature] 2/20/12  
 Name of Authorized Agent Signature Receipt Date

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name SHOLTZ Auto Body Generator Site/Location SAME  
 Address 77 WEST POST ROAD Address  
White Plains, NY  
 Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval Number  
8412

Description of Material  
 Non-Regulated Petroleum  
 Contaminated Soil  
 Non DOT/RCRA Regulated

ID 738  
 GROSS 47.17 T  
 TARE 14.37 T  
 NET 32.80 T  
 LOG 20  
 02/17/2012  
 12:19PM  
 TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged according to applicable regulations, and is in proper condition for transportation.

Generator Authorized Agent Name [Signature] Signature  
 Shipment Date 2/17/12

TRANSPORTER

Transporter Name RA Carrillo Driver Name (Print) ORLANDO JACKSON  
 Address E ORANGE NJ Vehicle License No. / State / EPA No. AN280 E-W  
 Truck Number 738

I hereby certify that the above named material was picked up at the generator site listed above and delivered without incident to the destination listed below.

Driver Signature [Signature] Shipment Date 2-17-12  
 Driver Signature [Signature] Delivery Date 2-17-12

DESTINATION

Site Name Soil Safe, Inc. Bridgeport Phone No. 1-856-467-8030  
 Address 378 Route 130 Logan Township, NJ 08085  
 No left turn on Rt. 130 North into the facility.  
 Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent [Signature] Signature  
 Receipt Date 2/17/12

Log Number

# SOIL SAFE, INC.

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name Shultz Auto Body Generator Site/Location Same  
 Address 71 West East Road Address \_\_\_\_\_  
White Plains NY  
 Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval Number  
1A  
0410

Description of Material  
 Non-Regulated Petroleum Contaminated Soil  
 Non DOT/RCRA Regulated

ID 588  
 GROSS 44.48 T  
 TARE 14.51 TTARE  
 NET 29.97 T NET  
 LOG 16  
 02/17/2012  
 11:21AM  
 TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged according to applicable regulations, and is in proper condition for transportation.

Generator Authorized Agent Name [Signature] Signature [Signature] Shipment Date 2/17/12

### TRANSPORTER

Transporter Name Corsello Driver Name (Print) Alvina  
 Address 11 Roseville Ave Vehicle License No. / State / EPA No. AM 185A  
E. Hanover NJ Truck Number F14 (598)

I hereby certify that the above named material was picked up at the generator site listed above and delivered without incident to the destination listed below.

Driver Signature [Signature] Shipment Date 2-17-12 Driver Signature [Signature] Delivery Date \_\_\_\_\_

### DESTINATION

Site Name Soil Safe, Inc. - Bridgeport Phone No. 1-856-467-8030  
 Address 378 Route 130 Logan Township, NJ 08065  
 No left turn on Rt. 130 North into the Facility.  
 Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and accurate and to the best of my knowledge the foregoing is true

Name of Authorized Agent D. Corcia Signature [Signature] Receipt Date 2/17/12

White - Facility Green - Facility Yellow - Generator Pink - Broker Gold/bronze - Contractor Blue - Trucking Co.

Log Number

# SOIL SAFE, INC.

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name Shultz Auto Body Generator Site/Location Same  
 Address 77 W. Post Rd Address \_\_\_\_\_  
White Plains, NY  
 Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval Number  
8412

Description of Material  
 Non-Regulated Petroleum Contaminated Soil  
 Non DOT/RCRA Regulated

10 596		
GROSS	42.97	GROSS
TARE	14.44	T
NET	28.53	T
LOG 15		NET
02/17/2012		
1:18AM		TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged according to applicable regulations, and is in proper condition for transportation.

Generator Authorized Agent Name \_\_\_\_\_ Signature \_\_\_\_\_  
 Shipment Date 2/17/12

### TRANSPORTER

Transporter Name Cars, No. 5005 Driver Name (Print) Cesar Machado  
 Address 14 Roosevelt Ave Vehicle License No. / State / EPA No. AP1 19  
E. Hanover, NJ Truck Number 14 596 678

I hereby certify that the above named material was picked up at the generator site listed above and delivered without incident to the destination listed below.

Driver Signature \_\_\_\_\_ Shipment Date 2-17-12  
 Driver Signature \_\_\_\_\_ Delivery Date 2-17-12

### DESTINATION

Site Name Soil Safe, Inc. - Bridgeport Phone No. 1-856-467-8030  
 Address 378 Route 130 Logan Township, NJ 08085  
 No left turn on Rt. 130 North into the facility.  
 Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent \_\_\_\_\_ Signature A. Carro Receipt Date 2-17-12

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name: SHOLTZ AND BOYD
Generator Site/Location: SAME
Address: 77 West Post Rd.
White Plains, NY
Phone No.:

Approval Number: 14-8412

Description of Material: Non-Regulated Petroleum Contaminated Soil
Non DOT/RCRA Regulated

10 536
GROSS 42.12 GROSS
TARE 14.44 T
WEIGHED 27.68 T
NET
LOG 28
02/16/2012
12:11PM
NET TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged according to applicable regulations, and is in proper condition for transportation.

Generator Authorized Agent Name: Marc Tscherte
Signature: [Signature]
Shipment Date: 2/16/12

TRANSPORTER

Transporter Name: PA. Carrillo + Sons
Driver Name (Print): Joe Bianculli
Address: 44 Bedford St.
East Orange, NJ
Vehicle License No. / State / EPA No.: AM678D
Truck Number: 16

I hereby certify that the above named material was picked up at the generator site listed above.
I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature: [Signature]
Shipment Date: 2-16-12
Driver Signature: [Signature]
Delivery Date: 2-16-12

DESTINATION

Site Name: Soil Safe, Inc. - Bridgeport
Address: 678 Route 130 Logan Township, NJ 08085
Phone No.: 1-856-467-8030
No left turn on Rt. 130 North into the facility.
Business hours are: Monday through Friday 7 AM to 5 PM, 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
Name of Authorized Agent: [Signature]
Signature: [Signature]
Receipt Date: 2.16.12

Log Number

SOIL SAFE, NC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name: SHOELTZ AutoBody / Generator Site/Location: SAME
Address: 77 WEST POST RD / Address:
White Plains, N.Y.
Phone No. / Phone No.

Approval Number: 8412

Description of Material: Non-Regulated Petroleum Contaminated Soil
Non DOT/RCRA Regulated

Table with columns: ID 738, GROSS, TARE, NET, T GROSS, T TARE, T NET, LOG 20, 02/16/2012, 11:29AM, TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged according to applicable regulations, and is in proper condition for transportation.

Generator Authorized Agent Name: [Signature] Signature: [Signature] Shipment Date: 2/16/12

TRANSPORTER

Transporter Name: [Signature] Driver Name (Print): ANDREW JACKSON
Address: E. ORANGE N.J. Vehicle License No. / State / EPA No.: AN280R-1J
Truck Number: 738

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature: [Signature] Shipment Date: 2-16-12 Driver Signature: [Signature] Delivery Date: 2-16-12

DESTINATION

Site Name: Soil Safe, Inc. - Bridgeport Phone No.: 1-856-467-8000
Address: 378 Route 130, Logan Township, NJ 08085
No left turn on Rt. 130 North into the facility.
Business hours are: Monday through Friday 7 AM to 5 PM, 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
Name of Authorized Agent: [Signature] Signature: [Signature] Receipt Date: 2-16-12

Log Number

# SOIL SAFE, INC.

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name Shultz Auto Body Generator Site/Location Same  
 Address 77 W. Post Rd. Address \_\_\_\_\_  
White Plains, NY  
 Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval Number  
8742

Description of Material  
 Non-Regulated Petroleum Contaminated Soil  
 Non DOT/RCRA Regulated

ID 598	GROSS
GROSS 41.08	T TARE
TARE 14.51	T TARE
NET 26.52	T NET
LOG 15	TONNAGE
02/16/2012	
10:48AM	

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged according to applicable regulations, and is in proper condition for transportation.

Generator Authorized Agent Name Marc Tsch... Signature \_\_\_\_\_ Shipment Date 2/16/12

### TRANSPORTER

Transporter Name Carsilla & Sons Driver Name (Print) Cesar Machado  
 Address 11 Roosevelt Ave Vehicle License No. / State / EPA No. AP18519 NC  
E. Haver, NJ Truck Number 14 598

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.  
 Driver Signature \_\_\_\_\_ Shipment Date \_\_\_\_\_ Driver Signature \_\_\_\_\_ Delivery Date 2/16/12



Site Name Soil Safe, Inc. - Bridgeport Phone No. 1-856-467-8030

Address 378 Route 130 Logan Township, NJ 08085  
 No left turn on Rt. 130 North into the facility.  
 Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.  
 Name of Authorized Agent \_\_\_\_\_ Signature [Signature] Receipt Date 2/16/12