PHOENIX
Environmental Laboratories, Inc.

RECEIVED
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BY: ENV.

Tuesday, November 18, 2008

Attn: Ms Sarah Porter
City Of New Bedford
133 William Street
New Bedford, MA 02740

Client ID: WALNUT/PLEASANT ST GARDEN
Sample ID#s: AR11816 - AR11817

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.

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

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

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

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
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ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

November 18, 2008

FOR: Attn: Ms Sarah Porter
City Of New Bedford
133 William Street
New Bedford, MA 02740

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/13/08	0:00
Location Code:	NEWBDENV	Received by:	SW	11/14/08	16:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

SDG I.D.: GAR11816
Phoenix I.D.: AR11816

Laboratory Data

Client ID: WALNUT/PLEASANT ST GARDEN COMPOSITE S1-S7

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	11/17/08		E/L	SW6010
Arsenic	3.1	0.7	mg/Kg	11/17/08		E/L	SW6010
Barium	61.1	0.36	mg/Kg	11/17/08		E/L	SW6010
Cadmium	< 0.36	0.36	mg/Kg	11/17/08		E/L	SW6010
Chromium	9.12	0.36	mg/Kg	11/17/08		E/L	SW6010
Mercury	0.19	0.08	mg/kg	11/17/08		RS	SW-7471
Lead	521	0.36	mg/Kg	11/17/08		E/L	SW6010
Selenium	< 1.8	1.8	mg/Kg	11/17/08		E/L	SW6010
Percent Solid	86		%	11/14/08		M-JL	E160.3
Mercury Digestion	Completed			11/17/08		D/E	SW7471
Total Metals Digest	Completed			11/14/08		AG/T	SW846 - 3050
Extraction of TPH SM	Completed			11/14/08		JI/DE	3545/3550
TPH by GC (Extractable Products)							
Fuel Oil #2 / Diesel Fuel	ND	76	mg/kg	11/17/08		KCA	8100Mod
Fuel Oil #4	ND	76	mg/kg	11/17/08		KCA	8100Mod
Fuel Oil #6	ND	76	mg/kg	11/17/08		KCA	8100Mod
Kerosene	ND	76	mg/kg	11/17/08		KCA	8100Mod
Motor Oil	ND	76	mg/kg	11/17/08		KCA	8100Mod
Other Oil (Cutting & Lubricating)	ND	76	mg/kg	11/17/08		KCA	8100Mod
Unidentified	ND	76	mg/kg	11/17/08		KCA	8100Mod
QA/QC Surrogates							
% n-Pentacosane	89		%	11/17/08		KCA	8100Mod

Client ID: WALNUT/PLEASANT ST GARDEN COMPOSITE S1-S7 Phoenix I.D.: AR11816

Parameter	Result	RL	Units	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

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

Phyllis Shiller, Laboratory Director
November 18, 2008

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ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

November 18, 2008

FOR: Attn: Ms Sarah Porter
City Of New Bedford
133 William Street
New Bedford, MA 02740

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/13/08	0:00
Location Code:	NEWBDENV	Received by:	SW	11/14/08	16:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

SDG I.D.: GAR11816
Phoenix I.D.: AR11817

Laboratory Data

Client ID: WALNUT/PLEASANT ST GARDEN COMPOSITE SE-S12

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	11/17/08		E/L	SW6010
Arsenic	5.6	0.8	mg/Kg	11/17/08		E/L	SW6010
Barium	122	0.39	mg/Kg	11/17/08		E/L	SW6010
Cadmium	0.54	0.39	mg/Kg	11/17/08		E/L	SW6010
Chromium	10.2	0.39	mg/Kg	11/17/08		E/L	SW6010
Mercury	1.00	0.09	mg/kg	11/17/08		RS	SW-7471
Lead	872	0.39	mg/Kg	11/17/08		E/L	SW6010
Selenium	< 1.9	1.9	mg/Kg	11/17/08		E/L	SW6010
Percent Solid	86		%	11/14/08		M-JL	E160.3
Mercury Digestion	Completed			11/17/08		D/E	SW7471
Total Metals Digest	Completed			11/14/08		AG/T	SW846 - 3050
Extraction of TPH SM	Completed			11/14/08		JI/DE	3545/3550 1
TPH by GC (Extractable Products)							
Fuel Oil #2 / Diesel Fuel	ND	76	mg/kg	11/17/08		KCA	8100Mod
Fuel Oil #4	ND	76	mg/kg	11/17/08		KCA	8100Mod
Fuel Oil #6	ND	76	mg/kg	11/17/08		KCA	8100Mod
Kerosene	ND	76	mg/kg	11/17/08		KCA	8100Mod
Motor Oil	**	76	mg/kg	11/17/08		KCA	8100Mod
Other Oil (Cutting & Lubricating)	ND	76	mg/kg	11/17/08		KCA	8100Mod
Unidentified	1000	76	mg/kg	11/17/08		KCA	8100Mod
QA/QC Surrogates							
% n-Pentacosane	97		%	11/17/08		KCA	8100Mod

Client ID: WALNUT/PLEASANT ST GARDEN COMPOSITE SE-S12 Phoenix I.D.: AR11817

Parameter	Result	RL	Units	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but most closely resembles motor oil.

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

Phyllis Shiller

Phyllis Shiller, Laboratory Director
November 18, 2008

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NY # 11301

QA/QC Report

November 18, 2008

QA/QC Data

SDG I.D.: GAR11816

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 115446, QC Sample No: AR11847 (AR11816, AR11817)								
Mercury	BDL	NC	100	101	1.0	122	115	5.9
QA/QC Batch 115404, QC Sample No: AR11852 (AR11816, AR11817)								
ICP Metals - Soil								
Arsenic	BDL	NC	90.0	95.0	5.4	88.1	90.7	2.9
Barium	BDL	32.4	91.4	94.4	3.2	107	107	0.0
Cadmium	BDL	NC	90.1	93.3	3.5	88.3	90.3	2.2
Chromium	BDL	11.9	95.2	102	6.9	95.0	96.0	1.0
Lead	BDL	25.0	87.0	90.1	3.5	96.0	103	7.0
Selenium	BDL	NC	88.9	92.8	4.3	83.8	86.3	2.9
Silver	BDL	NC	94.6	98.1	3.6	94.9	96.7	1.9

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
November 18, 2008

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NY # 11301

QA/QC Report

November 18, 2008

QA/QC Data

SDG I.D.: GAR11816

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 115403, QC Sample No: AR12043 (AR11816, AR11817)							
TPH by GC (Extractable Products)							
Aviation Fuel/Kerosene	ND						
Fuel Oil #2/ Diesel Fuel	ND	96	90	6.5	70	114	47.8
Fuel Oil #4	ND						
Fuel Oil #6	ND						
Motor Oil	ND						
Other Oil (Cutting & Lubricating)	ND						
Unidentified	ND						

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
November 18, 2008

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Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

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° Pg 1 of 1

Data Delivery (check one):
☐ Fax #:
☐ Email:
Format: ☐ Excel ☐ Pdf ☐ Gis Key

Customer: City of New Bedford
Address: Rm 304 - City Hall
133 William St, New Bedford MA

Project: Walnut / Pleasant St. Garden
Report to: Sarah Porter
Invoice to: Christina Connelly - Comm Dev City of New Bedford
508-479-1581

Project P.O:
Phone #: 508-991-6188
Fax #: 508-961-3045

Client Sample - Information - Identification

Sampler's: Cynthia Date: 11-13-08

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Item #	Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TPH	RCRA 8	Soil VOA Vials [ ] methanol [ ] Sod Bisulfa	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
1	11816	Composite S1-S-7	S	11-13-08		X	X		1								
2	11817	Composite S8-S12	S	11-13-08		X	X		1								

11/13/08

Relinquished by:	Accepted by:	Date:	Time:
Sarah E. Porter	Koleta J. Kortright	11/13/08	4:21
Koleta J Kortright	[illegible]	11-14-08	11:15
	[illegible]	11/14/08	16:00

Comments, Special Requirements or Regulations:

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

* Surcharge Applies

Requirements for CT/RI
☐ Res. Criteria
☐ GW Protection
☐ GA Mobility
☐ GB Mobility
☐ SW Protection
☐ Res. Vol.
☐ Ind. Vol.
☐ RCP Certification

Requirements for MA
☐ GW-1
☐ GW-2
☐ GW-3
☒ S-1
☐ S-2
☐ S-3
☐ MCP Certification
☐ Other