



Friday, June 26, 2015

Project ID: [REDACTED]
Sample ID#s: BJ27820 - BJ27822

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

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 cursive script that reads "Phyllis Shiller".

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

June 26, 2015

FOR:

\$1226.08 remaining on that PO

Sample Information

Matrix: WASTE WATER
 Location Code: SCG-UIL
 Rush Request: Standard
 P.O.#: 4500430001-10

Custody Information

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

Date	Time
06/09/15	9:00
06/09/15	10:57

Laboratory Data

SDG ID: GBJ27820
 Phoenix ID: BJ27820

Project ID: SCC
 Client ID: WW-086106-150609-KE-001

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chromium	< 0.001	0.001	mg/L	1	06/09/15	LK	E200.7
Copper	< 0.005	0.005	mg/L	1	06/09/15	LK	E200.7
Hardness (CaCO3)	23.1	0.1	mg/L	1	06/10/15		E200.7
Lead	< 0.002	0.002	mg/L	1	06/09/15	LK	E200.7
Zinc	0.125	0.002	mg/L	1	06/09/15	LK	E200.7
Fecal Coliforms	<10	10	/100 mls	10	06/09/15 14:15	CB/RS	SW9222D
Chlorine Residual	0.95	0.02	mg/L	1	06/09/15 17:30	O	SM4500CI-G-00
pH	7.14	0.10	pH Units	1	06/10/15 09:20	RR/EG	SM4500-H B-00
Salinity	< 0.5	0.5	ppt	1	06/10/15	ALOG	SM2520B-10
Total Metals Digestion	Completed				06/09/15	AG	
Aquatic Toxicity	Completed				06/23/15	*	

Project ID: [REDACTED]
Client ID: WW-086106-150609-KE-001

Phoenix I.D.: BJ27820

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

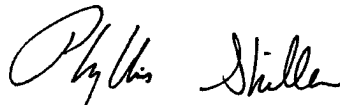
Comments:

* See Attached

The regulatory hold time for Chlorine is immediately. This Chlorine was performed in the laboratory and may be considered outside of hold-time.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 26, 2015

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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

Analysis Report

June 26, 2015

FOR: [REDACTED]

\$1226.08 remaining on that PO

Sample Information

Matrix: WASTE WATER
 Location Code: SCG-UIL
 Rush Request: Standard
 P.O.#: 4500430001-10

Custody Information

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

Date Time
 06/09/15 9:10
 06/09/15 10:57

Laboratory Data

SDG ID: GBJ27820
 Phoenix ID: BJ27821

Project ID: [REDACTED]
 Client ID: WW-086106-150609-KE-002

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chromium	< 0.001	0.001	mg/L	1	06/10/15	LK	E200.7
Copper	0.133	0.005	mg/L	1	06/10/15	LK	E200.7
Hardness (CaCO3)	70.1	0.1	mg/L	1	06/10/15		E200.7
Lead	< 0.002	0.002	mg/L	1	06/10/15	LK	E200.7
Zinc	0.133	0.002	mg/L	1	06/10/15	LK	E200.7
Fecal Coliforms	20	10	/100 mls	10	06/09/15 14:15	CB/RS	SW9222D
Chlorine Residual	0.04	0.02	mg/L	1	06/09/15 17:30	O	SM4500CI-G-00
pH	7.65	0.10	pH Units	1	06/10/15 09:22	RR/EG	SM4500-H B-00
Salinity	< 0.5	0.5	ppt	1	06/10/15	ALOG	SM2520B-10
PCB Extraction	Completed				06/09/15	L	SW3510C
Total Metals Digestion	Completed				06/09/15	AG	
Aquatic Toxicity	Completed				06/23/15	*	

Polychlorinated Biphenyls

PCB-1016	ND	0.50	ug/L	1	06/10/15	AW	E608
PCB-1221	ND	0.50	ug/L	1	06/10/15	AW	E608
PCB-1232	ND	0.50	ug/L	1	06/10/15	AW	E608
PCB-1242	ND	0.50	ug/L	1	06/10/15	AW	E608
PCB-1248	ND	0.50	ug/L	1	06/10/15	AW	E608
PCB-1254	ND	0.50	ug/L	1	06/10/15	AW	E608
PCB-1260	ND	0.50	ug/L	1	06/10/15	AW	E608
PCB-1262	ND	0.50	ug/L	1	06/10/15	AW	E608
PCB-1268	ND	0.50	ug/L	1	06/10/15	AW	E608

QA/QC Surrogates

% DCBP	71		%	1	06/10/15	AW	30 - 150 %
% TCMX	76		%	1	06/10/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

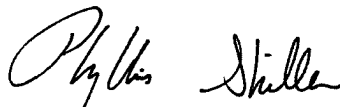
Comments:

* See Attached

The regulatory hold time for Chlorine is immediately. This Chlorine was performed in the laboratory and may be considered outside of hold-time.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

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Phyllis Shiller, Laboratory Director

June 26, 2015

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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Analysis Report

June 26, 2015

FOR: 

\$1226.08 remaining on that PO

Sample Information

Matrix: WASTE WATER
 Location Code: SCG-UIL
 Rush Request: Standard
 P.O.#: 4500430001-10

Custody Information

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

Date

06/09/15
 06/09/15

Time

9:15
 10:57

Laboratory Data

SDG ID: GBJ27820
 Phoenix ID: BJ27822

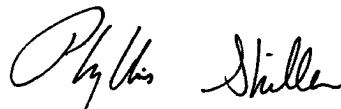
Project ID: 
 Client ID: WW-086106-150609-KE-003

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Extraction	Completed				06/09/15	L	SW3510C
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	0.50	ug/L	1	06/10/15	AW	E608
PCB-1221	ND	0.50	ug/L	1	06/10/15	AW	E608
PCB-1232	ND	0.50	ug/L	1	06/10/15	AW	E608
PCB-1242	ND	0.50	ug/L	1	06/10/15	AW	E608
PCB-1248	ND	0.50	ug/L	1	06/10/15	AW	E608
PCB-1254	ND	0.50	ug/L	1	06/10/15	AW	E608
PCB-1260	ND	0.50	ug/L	1	06/10/15	AW	E608
PCB-1262	ND	0.50	ug/L	1	06/10/15	AW	E608
PCB-1268	ND	0.50	ug/L	1	06/10/15	AW	E608
<u>QA/QC Surrogates</u>							
% DCBP	71		%	1	06/10/15	AW	30 - 150 %
% TCMX	84		%	1	06/10/15	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

June 26, 2015

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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

QA/QC Report

June 26, 2015

QA/QC Data

SDG I.D.: GBJ27820

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 310249 (mg/L), QC Sample No: BJ27820 (BJ27820)													
ICP Metals - Aqueous													
Chromium	BRL	0.001	<0.001	<0.001	NC	95.8	98.3	2.6	99.4	97.0	2.4	75 - 125	20
Copper	BRL	0.005	<0.005	<0.005	NC	96.3	99.6	3.4	102	99.2	2.8	75 - 125	20
Lead	BRL	0.002	<0.002	<0.002	NC	95.9	97.6	1.8	98.7	96.5	2.3	75 - 125	20
Zinc	BRL	0.002	0.125	0.126	0.80	94.8	97.5	2.8	98.5	96.9	1.6	75 - 125	20
QA/QC Batch 310251 (mg/L), QC Sample No: BJ28005 (BJ27821)													
ICP Metals - Aqueous													
Chromium	BRL	0.001	<0.001	<0.001	NC	90.2	92.4	2.4	89.6	91.1	1.7	75 - 125	20
Copper	BRL	0.005	<0.005	<0.005	NC	99.5	103	3.5	99.8	101	1.2	75 - 125	20
Lead	BRL	0.002	<0.002	<0.002	NC	87.9	90.4	2.8	87.9	88.9	1.1	75 - 125	20
Zinc	BRL	0.002	<0.002	<0.002	NC	91.1	93.0	2.1	90.4	91.8	1.5	75 - 125	20



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QA/QC Report

June 26, 2015

QA/QC Data

SDG I.D.: GBJ27820

Parameter	Blk Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec	% RPD
												Limits	Limits
QA/QC Batch 310271 (mg/L), QC Sample No: BJ27811 (BJ27820, BJ27821)													
Chlorine Residual	BRL	0.02	<0.02	<0.02	NC	103							
QA/QC Batch 310351 (pH), QC Sample No: BJ28144 (BJ27820, BJ27821)													
pH			7.67	7.53	1.80	98.6						85 - 115	20



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

QA/QC Report

June 26, 2015

QA/QC Data

SDG I.D.: GBJ27820

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 310259 (ug/L), QC Sample No: BJ27951 (BJ27821, BJ27822)										
<u>Polychlorinated Biphenyls - Waste Water</u>										
PCB-1016	ND	0.050	92	102	10.3				40 - 140	20
PCB-1221	ND	0.050							40 - 140	20
PCB-1232	ND	0.050							40 - 140	20
PCB-1242	ND	0.050							40 - 140	20
PCB-1248	ND	0.050							40 - 140	20
PCB-1254	ND	0.050							40 - 140	20
PCB-1260	ND	0.050	95	104	9.0				40 - 140	20
PCB-1262	ND	0.050							40 - 140	20
PCB-1268	ND	0.050							40 - 140	20
% DCBP (Surrogate Rec)	66	%	62	65	4.7				30 - 150	20
% TCMX (Surrogate Rec)	65	%	72	80	10.5				30 - 150	20

Comment:

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

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
- Intf - Interference

Phyllis Shiller, Laboratory Director
June 26, 2015

Friday, June 26, 2015

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBJ27820 - SCG-UIL

Page 1 of 1

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

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.



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

Coolant: IPK ICE No Yes
 Temp 18 °C Pg of

Contact Options:
 Fax: 860-747-1900
 Phone: 860-747-1800
 Email: kshaw@crowork.com

Project P.O.:
 This section **MUST** be completed with **Bottle Quantities.**

Project:
 Report to: Paul Slawski/Kyle Eckert
 Invoice to: SCG

Customer:
 Address:

Sampler's Signature: [Signature] Date: 6/9/15
 Matrix Code:
 DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
 RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
 OIL=Oil B=Bulk L=Liquid

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
27820	WW-081016-150609-LE-001 WW	WW	6/9/15	9:00	PCB's, Total PCB's, Temperature, Aquatic Toxicity, Total Pesticides, Salinity, EPA 253b, EPA 253, EPA 253.1, EPA 253.2, EPA 253.3, EPA 253.4, EPA 253.5, EPA 253.6, EPA 253.7, EPA 253.8, EPA 253.9, EPA 253.10, EPA 253.11, EPA 253.12, EPA 253.13, EPA 253.14, EPA 253.15, EPA 253.16, EPA 253.17, EPA 253.18, EPA 253.19, EPA 253.20, EPA 253.21, EPA 253.22, EPA 253.23, EPA 253.24, EPA 253.25, EPA 253.26, EPA 253.27, EPA 253.28, EPA 253.29, EPA 253.30, EPA 253.31, EPA 253.32, EPA 253.33, EPA 253.34, EPA 253.35, EPA 253.36, EPA 253.37, EPA 253.38, EPA 253.39, EPA 253.40, EPA 253.41, EPA 253.42, EPA 253.43, EPA 253.44, EPA 253.45, EPA 253.46, EPA 253.47, EPA 253.48, EPA 253.49, EPA 253.50, EPA 253.51, EPA 253.52, EPA 253.53, EPA 253.54, EPA 253.55, EPA 253.56, EPA 253.57, EPA 253.58, EPA 253.59, EPA 253.60, EPA 253.61, EPA 253.62, EPA 253.63, EPA 253.64, EPA 253.65, EPA 253.66, EPA 253.67, EPA 253.68, EPA 253.69, EPA 253.70, EPA 253.71, EPA 253.72, EPA 253.73, EPA 253.74, EPA 253.75, EPA 253.76, EPA 253.77, EPA 253.78, EPA 253.79, EPA 253.80, EPA 253.81, EPA 253.82, EPA 253.83, EPA 253.84, EPA 253.85, EPA 253.86, EPA 253.87, EPA 253.88, EPA 253.89, EPA 253.90, EPA 253.91, EPA 253.92, EPA 253.93, EPA 253.94, EPA 253.95, EPA 253.96, EPA 253.97, EPA 253.98, EPA 253.99, EPA 253.100
27821	WW-081016-150609-LE-002 WW	WW	6/9/15	9:10	
27822	WW-081016-150609-LE-003 WW	WW	6/9/15	9:15	

Requisitioned by: [Signature] Accepted by: Paradise
 Date: 6/9/15 Time: 1057
 Turnaround:
 1 Day*
 2 Days*
 3 Days*
 Standard
 Other
 * SURCHARGE APPLIES

Comments, Special Requirements or Regulations:

State where samples were collected:
 * SURCHARGE APPLIES

RI	CT	MA	Data Format
<input type="checkbox"/> Direct Exposure (Residential) <input type="checkbox"/> GW <input type="checkbox"/> Other	<input type="checkbox"/> RCP Cert <input type="checkbox"/> GW Protection <input type="checkbox"/> SW Protection <input type="checkbox"/> GA Mobility <input type="checkbox"/> GB Mobility <input type="checkbox"/> Residential DEC <input type="checkbox"/> I/C DEC <input type="checkbox"/> Other	<input type="checkbox"/> MCP Certification <input type="checkbox"/> GW-1 <input type="checkbox"/> GW-2 <input type="checkbox"/> GW-3 <input type="checkbox"/> S-1 <input type="checkbox"/> S-2 <input type="checkbox"/> S-3 <input type="checkbox"/> MWRA eSMART <input type="checkbox"/> Other	<input type="checkbox"/> Excel <input type="checkbox"/> PDF <input type="checkbox"/> GIS/Key <input type="checkbox"/> EQUIS <input type="checkbox"/> Other Data Package <input type="checkbox"/> Tier II Checklist <input type="checkbox"/> Full Data Package* <input type="checkbox"/> Phoenix Std Report <input type="checkbox"/> Other

lisa@phoenixlabs.com

From: Paul Slawski [Paul.Slawski@uinet.com]
Sent: Wednesday, June 10, 2015 9:36 AM
To: lisa@phoenixlabs.com
Subject: RE: [REDACTED] Phoenix ID GBJ27820

Lisa,
Please use the temp when the sample was received by the lab.
-Paul

From: lisa@phoenixlabs.com [mailto:lisa@phoenixlabs.com]
Sent: Wednesday, June 10, 2015 9:13 AM
To: Paul Slawski
Subject: [REDACTED] Phoenix ID GBJ27820

Good morning,

I noticed on the chain that Temperature is written for analysis but no Field Temp written.
If these are needed on the report, please let me know what your field temps are per sample.

Thank you,

Lisa Arnold
Client Services Representative
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040
Ph: 1-860-645-1102
Fx: 1-860-645-0823

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6/10/2015

Minor Non-Contact Cooling and Heat Pump Water Monitoring Report (NCCHPWMR) Instruction Form:

Client Name/Project: Phoenix-SCG [REDACTED] Test Date: 6/10/15

Sample ID: BJ27820



New England Bioassay
a Division of GZA GeoEnvironmental, Inc.

Your results were as follows:

Pass

Fail - Further immediate action is required. Please proceed according to the instructions in Section 5(j) of your permit. Please note that this includes performing tests on several more samples within a very short period, as well as certification by a professional engineer licensed to practice in Connecticut.

Invalid - **Retesting is required within 60 days.** Please proceed according to the instructions in Section 5(e)(2)(E)(ii) of your permit.

Please complete the items on this bulleted list prior to submission of these data to the CTDEEP:

- Complete the "Part 1: Facility Information" section on page one of the Minor Non-Contact Cooling and Heat Pump Water Monitoring Report.
- Complete the "Part II: Monitoring Results" (including Total Daily Flow) section on page one of the Minor Non-Contact Cooling and Heat Pump Water Monitoring Report.
- An authorized official from your facility must sign the "Part III: Certification" section on page one of the Minor Non-Contact Cooling and Heat Pump Water Monitoring Report.
- Complete the permittee information section at the top of the NCCHPW Acute Toxicity Test Data Sheet.

Please detach this instruction form and the Chain-of-Custody and keep for your records. File the completed 2-page NCCHPWMR form as follows:

Reports for discharges to surface water must be submitted to the CTDEEP on the attached 2-page NCCHPWMR on an annual basis during the month of September. The results of all toxicity tests and chemical analyses performed on the discharge during the prior twelve months must be included with this annual submission. The NCCHPWMR must be sent to the Bureau of Water Management at the following address:

Bureau of Water Management
Permitting, Enforcement & Remediation Division
Connecticut Department of Energy and Environmental Protection
79 Elm St.
Hartford, CT 06106-5127

Questions? Please contact Kim Wills, Lab Manager at (860) 858-3153 or kimberly.wills@gza.com

NEW ENGLAND BIOASSAY

NCCW COVER SHEET

CLIENT: Phoenix Environmental Laboratories
ADDRESS: 587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040

***D. pulex* TEST ID #:** 15-747
COC #: C35-2241
PROJECT #: 05.0045377.00

SAMPLE: BJ27820

LABORATORY CONTROL WATER		
NEB Lot #:	<u>A35-S006</u>	SRCF
Hardness:	<u>46</u>	mg/L as CaCO ₃
Alkalinity:	<u>30</u>	mg/L as CaCO ₃

SAMPLE COLLECTION INFORMATION	
24-hour Hold Time	
DATE(S):	<u>6/9/15</u>
TIME(S):	<u>0900</u>

INITIAL CHEMISTRY DATA	TECH INITIALS: <u>MV</u>
Temp. (C):	<u>5.2</u>
Cond. (µmhos/cm):	<u>98</u>
Salinity (ppt):	<u><1</u>

INVERTEBRATE

Test Set Up Technician Initials: CW
 Test Type: Screen
 Test Species: *Daphnia pulex*
 Source: New England Bioassay
 NEB Lot#: Dp15(6-10)
 Age: <24 Hours
 Test Solution Volume: 30 ml
 # Organisms/Test Chamber: 10
 # Organisms/Concentration: 50
 # Organisms/Control: 30
 START DATE: 6/10/15 AT 1300
 END DATE: 6/12/15 AT 1215

TEST SET UP CONDUCTIVITIES		
<i>D.p</i> Control	<u>175</u>	µmhos/cm
100%	<u>103</u>	µmhos/cm

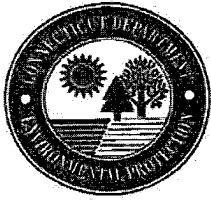
Technician Initials:	<u><i>D. pulex</i></u>	0 Hour:	<u>CW</u>	24 Hour:	<u>KO</u>	48 Hour:	<u>KO</u>
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RESULTS OF *Daphnia pulex* Screening Test

Control: 100 % 100% 0 %
 Replicate A: 100 %
 Replicate B: 100 %
 Replicate C: 100 %

COMMENTS: _____

REVIEWED BY:  DATE: 6/22/15



STATE OF CONNECTICUT
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF WATER MANAGEMENT
 PERMITTING, ENFORCEMENT & REMEDIATION DIVISION
 79 ELM STREET, HARTFORD, CT 06106-5127
 (860) 424-3018

Minor Non-Contact Cooling and Heat Pump Water Monitoring Report

Complete this for for each discharge

Part I: Facility Information

GP #:

Permittee:			
Site Address:			
City/Town:	State:	Zip Code:	
Phone Number:	ext:	Fax:	
Contact Person:		Title:	
Receiving Water (Name, Basin):		IWC: (check one) <input type="checkbox"/> < 1% <input type="checkbox"/> 1-10%	

Part II: Monitoring Results

Sample Location (DSN):

Parameter	Method	Results	
		1st Sample	2nd Sample*
Sample Date (mm/dd/yy) & Time	Grab Sample	6/9/15@0900	
Aquatic Toxicity (% Survival)	RCSA22A-43-0-3(i)(7)(A)(i)	0	
Hardness (mg/L)			
Total Copper (mg/L)			
Total Lead (mg/L)			
Total Zinc (mg/L)			
Total Residual Chlorine (mg/L)			
pH (s.u.)			
Temperature (°F)			
Salinity			
Appearance			

* if required (see Table 4 of General Permit)

Total Daily Flow (gal/day)*

Permitted Max Daily Flow:

(gal/day)

Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.

* see Table 4 of General Permit

Part III: Certification

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with Section 22a-6 of the General Statutes, pursuant to Section 53a-157b of the General Statutes, and in accordance with any other applicable statutes."

Signature of Permittee

Date

Signature of Preparer

Date

NCCHPW Acute Toxicity Test Data Sheet

Permittee: **GP#** Dilution Water Source: **NEB** Hardness: **50 ± 5** mg/L DSN:
Salinity: **< 1** ppt Age: **< 24 hrs** Temp: **20 ± 1°** °C Salinity: **50 ± 5** ppt
 Test Species: **Daphnia pulex** Sample Date: **6/9/15** Test Date: **6/10/15** Age: **20 ± 1°** °C Temp: **20 ± 1°** °C
1st Test **Sample Date:** **Test Date:**

Start												
Dilution %	OA	OB	OC	100A	100B	100C	100D	100E				
D.O. (mg/L)	8.6	---	---	9.2	---	---	---	---				
pH (SU)	7.3	---	---	6.8	---	---	---	---				
Temp. (°C)	20	---	---	20	---	---	---	---				
Cond. (µmhos/cm)	175	---	---	103	---	---	---	---				
24 Hours												
% Survival	100	100	100	0	0	0	0	0				
D.O. (mg/L)	8.9	---	---	9.0	---	---	---	---				
pH (SU)	6.9	---	---	7.0	---	---	---	---				
Temp. (°C)	20	---	---	20	---	---	---	---				
Cond. (µmhos/cm)	193	---	---	110	---	---	---	---				
48 Hours												
% Survival	100	100	100	0	0	0	0	0				
D.O. (mg/L)	8.7	8.7	8.8	8.8	8.8	8.9	8.8	8.9				
pH (SU)	7.6	7.6	7.7	7.5	7.5	7.4	7.4	7.3				
Temp. (°C)	19	19	19	19	19	19	19	19				
Cond. (µmhos/cm)	181	179	179	111	109	107	109	110				
								Mean % Survival	0			

Start												
Dilution %	OA	OB	OC	100A	100B	100C	100D	100E				
D.O. (mg/L)												
pH (SU)												
Temp. (°C)												
Cond. (µmhos/cm)												
24 Hours												
% Survival												
D.O. (mg/L)												
pH (SU)												
Temp. (°C)												
Cond. (µmhos/cm)												
48 Hours												
% Survival												
D.O. (mg/L)												
pH (SU)												
Temp. (°C)												
Cond. (µmhos/cm)												
								Mean % Survival				

Test Species	Date	Reference Toxicant	Source	LC50	Testing Lab
<i>Daphnia pulex</i>	06/01/15	Copper Nitrate Lot#15-0128-007	NEB	2.93 µg/L	New England Bioassay 77 Batson Drive, Manchester, CT 06042

Note: For the *Daphnia pulex* test, at test initiation (0 hr) and at 24 hr, dissolved oxygen, pH, temperature, and conductivities were measured in separate chemistry replicates (without daphnids).
 At test completion (or when complete mortality occurred within a replicate), water quality parameters were measured directly from replicates containing test organisms.

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



Customer: 1125
 Address: _____
 Project: _____
 Report to: DHL
 Invoice to: _____
 Project P.O.: _____

Contact Options:
 Fax: _____
 Phone: _____
 Email: _____

This section **MUST** be completed with Bottle Quantities.

Soil VOA Yaks [methanol] 1720	oz	
GL Soil container []		
GL Amber 1600ml [as is] 1720		
PL as is [250ml] [as is] 1720		
PL H2SO4 [250ml] [500ml] 1720		
PL HNO3 250ml		
PL NaOH 250ml		
Bacteria Bottle		

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
C35-224	B5 27820	WW	6-9-15	9:00
C35-224	B5 27821	WW	6-9-15	9:10
	[REDACTED]			

Analysis Request	CT	MA	Data Format
	<input type="checkbox"/> RCP Cert <input type="checkbox"/> GW Protection <input type="checkbox"/> SW Protection <input type="checkbox"/> GA Mobility <input type="checkbox"/> GB Mobility <input type="checkbox"/> Residential DEC <input type="checkbox"/> I/C DEC <input type="checkbox"/> Other	<input type="checkbox"/> MCP Certification <input type="checkbox"/> GW-1 <input type="checkbox"/> GW-2 <input type="checkbox"/> GW-3 <input type="checkbox"/> S-1 <input type="checkbox"/> S-2 <input type="checkbox"/> S-3 <input type="checkbox"/> MWRA eSMART <input type="checkbox"/> Other	<input type="checkbox"/> Excel <input type="checkbox"/> PDF <input type="checkbox"/> GIS/Key <input type="checkbox"/> EQUIS <input type="checkbox"/> Other

Relinquished by: [Signature] Accepted by: [Signature]
 Date: 6-10-15 Time: 06:45
 Date: 6-10-15 Time: 08:30
 Turnaround:
 1 Day*
 2 Days*
 3 Days*
 Standard
 Other
 * SURCHARGE APPLIES

State where samples were collected: CT
 * SURCHARGE APPLIES

Comments, Special Requirements or Regulations:

Minor Non-Contact Cooling and Heat Pump Water Monitoring Report (NCCHPWMR) Instruction Form:

Client Name/Project: Phoenix - JCG [REDACTED] Test Date: 6/10/15

Sample ID: BJ27821



New England Bioassay
a Division of GZA GeoEnvironmental, Inc.

Your results were as follows:

Pass

Fail - Further immediate action is required. Please proceed according to the instructions in Section 5(j) of your permit. Please note that this includes performing tests on several more samples within a very short period, as well as certification by a professional engineer licensed to practice in Connecticut.

Invalid – **Retesting is required within 60 days.** Please proceed according to the instructions in Section 5(e)(2)(E)(ii) of your permit.

Please complete the items on this bulleted list prior to submission of these data to the CTDEEP:

- Complete the “Part 1: Facility Information” section on page one of the Minor Non-Contact Cooling and Heat Pump Water Monitoring Report.
- Complete the “Part II: Monitoring Results” (including Total Daily Flow) section on page one of the Minor Non-Contact Cooling and Heat Pump Water Monitoring Report.
- An authorized official from your facility must sign the “Part III: Certification” section on page one of the Minor Non-Contact Cooling and Heat Pump Water Monitoring Report.
- Complete the permittee information section at the top of the NCCHPW Acute Toxicity Test Data Sheet.

Please detach this instruction form and the Chain-of-Custody and keep for your records. File the completed 2-page NCCHPWMR form as follows:

Reports for discharges to surface water must be submitted to the CTDEEP on the attached 2-page NCCHPWMR on an annual basis during the month of September. The results of all toxicity tests and chemical analyses performed on the discharge during the prior twelve months must be included with this annual submission. The NCCHPWMR must be sent to the Bureau of Water Management at the following address:

Bureau of Water Management
Permitting, Enforcement & Remediation Division
Connecticut Department of Energy and Environmental Protection
79 Elm St.
Hartford, CT 06106-5127

Questions? Please contact Kim Wills, Lab Manager at (860) 858-3153 or kimberly.wills@gza.com

NEW ENGLAND BIOASSAY

NCCW COVER SHEET

CLIENT: Phoenix Environmental Laboratories
ADDRESS: 587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040

***D. pulex* TEST ID #:** 15-748
COC #: C35-2242
PROJECT #: 05.0045377.00

SAMPLE: BJ27821

LABORATORY CONTROL WATER		
NEB Lot #:	<u>A35-S006</u>	SRCF
Hardness:	<u>46</u>	mg/L as CaCO ₃
Alkalinity:	<u>30</u>	mg/L as CaCO ₃

SAMPLE COLLECTION INFORMATION	
24-hour Hold Time	
DATE(S):	<u>6/9/15</u>
TIME(S):	<u>0910</u>

INITIAL CHEMISTRY DATA	TECH INITIALS: <u>MV</u>
Temp. (C):	<u>5.6</u>
Cond. (µmhos/cm):	<u>324</u>
Salinity (ppt):	<u><1</u>

INVERTEBRATE

Test Set Up Technician Initials: CW
 Test Type: Screen
 Test Species: *Daphnia pulex*
 Source: New England Bioassay
 NEB Lot#: Dp15(6-10)
 Age: <24 Hours
 Test Solution Volume: 30 ml
 # Organisms/Test Chamber: 10
 # Organisms/Concentration: 50
 # Organisms/Control: 30
 START DATE: 6/10/15 AT 1305
 END DATE: 6/12/15 AT 1224

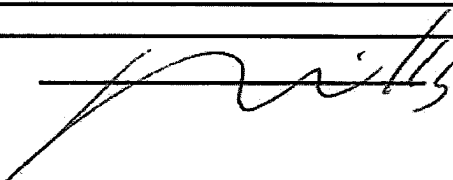
TEST SET UP CONDUCTIVITIES		
<i>D.p</i> Control	<u>175</u>	µmhos/cm
100%	<u>328</u>	µmhos/cm

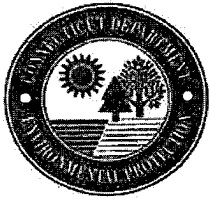
Technician Initials:	<u><i>D. pulex</i></u>	0 Hour:	<u>CW</u>	24 Hour:	<u>KO</u>	48 Hour:	<u>KO</u>
----------------------	------------------------	---------	-----------	----------	-----------	----------	-----------

RESULTS OF *Daphnia pulex* Screening Test

Control: 96.7 % 100% 8 %
 Replicate A: 100 %
 Replicate B: 90 %
 Replicate C: 100 %

COMMENTS: _____

REVIEWED BY:  DATE: 6/22/15



STATE OF CONNECTICUT
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF WATER MANAGEMENT
 PERMITTING, ENFORCEMENT & REMEDIATION DIVISION
 79 ELM STREET, HARTFORD, CT 06106-5127
 (860) 424-3018

Minor Non-Contact Cooling and Heat Pump Water Monitoring Report

Complete this for for each discharge

Part I: Facility Information

GP #:

Permittee:			
Site Address:			
City/Town:	State:	Zip Code:	
Phone Number:	ext:	Fax:	
Contact Person:		Title:	
Receiving Water (Name, Basin):		IWC: (check one) <input type="checkbox"/> < 1% <input type="checkbox"/> 1-10%	

Part II: Monitoring Results

Sample Location (DSN):

Parameter	Method	Results	
		1st Sample	2nd Sample*
Sample Date (mm/dd/yy) & Time	Grab Sample	6/9/15@0910	
Aquatic Toxicity (% Survival)	RCSA22A-43-0-3(i)(7)(A)(i)	8	
Hardness (mg/L)			
Total Copper (mg/L)			
Total Lead (mg/L)			
Total Zinc (mg/L)			
Total Residual Chlorine (mg/L)			
pH (s.u.)			
Temperature (°F)			
Salinity			
Appearance			

* if required (see Table 4 of General Permit)

Total Daily Flow (gal/day)*

Permitted Max Daily Flow:

(gal/day)

Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.

* see Table 4 of General Permit

Part III: Certification

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with Section 22a-6 of the General Statutes, pursuant to Section 53a-157b of the General Statutes, and in accordance with any other applicable statutes."

 Signature of Permittee

 Date

 Signature of Preparer

 Date

NCCHPW Acute Toxicity Test Data Sheet

Permittee: **GP#** DSN: Hardness: 50 ± 5 mg/L
 Dilution Water Source: **NEB** Hardness: 50 ± 5 ppt
 Salinity: < 1 ppt
 Test Species: *Daphnia pulex* Age: < 24 hrs Temp: 20 ± 1° °C
1st Test Sample Date: 6/9/15 Test Date: 6/10/15
2nd Test Sample Date: Test Date:

Start												
Dilution %	OA	OB	OC	100A	100B	100C	100D	100E				
D.O. (mg/L)	8.7	---	---	9.1	---	---	---	---				
pH (SU)	7.2	---	---	7.4	---	---	---	---				
Temp. (°C)	20	---	---	21	---	---	---	---				
Cond. (µmhos/cm)	175	---	---	328	---	---	---	---				
24 Hours												
% Survival	100	90	100	40	10	10	20	20				
D.O. (mg/L)	9.0	---	---	8.8	---	---	---	---				
pH (SU)	7.0	---	---	7.0	---	---	---	---				
Temp. (°C)	20	---	---	20	---	---	---	---				
Cond. (µmhos/cm)	211	---	---	330	---	---	---	---				
48 Hours												
% Survival	100	90	100	20	0	0	10	10				
D.O. (mg/L)	8.7	8.6	8.5	8.8	8.7	8.7	8.8	8.8				
pH (SU)	7.2	7.3	7.2	7.3	7.3	7.3	7.4	7.4				
Temp. (°C)	19	19	19	20	20	20	19	19				
Cond. (µmhos/cm)	181	179	174	330	331	333	328	329				
Mean % Survival								8				

Start										
Dilution %	OA	OB	OC	100A	100B	100C	100D	100E		
D.O. (mg/L)										
pH (SU)										
Temp. (°C)										
Cond. (µmhos/cm)										
24 Hours										
% Survival										
D.O. (mg/L)										
pH (SU)										
Temp. (°C)										
Cond. (µmhos/cm)										
48 Hours										
% Survival										
D.O. (mg/L)										
pH (SU)										
Temp. (°C)										
Cond. (µmhos/cm)										
Mean % Survival										

Test Species	Date	Reference Toxicant	Source	LC50	Testing Lab
<i>Daphnia pulex</i>	06/01/15	Copper Nitrate Lot#15-0128-007	NEB	2.93 µg/L	New England Bioassay 77 Batson Drive, Manchester, CT 06042

Note: For the *Daphnia pulex* test, at test initiation (0 hr) and at 24 hr, dissolved oxygen, pH, temperature, and conductivities were measured in separate chemistry replicates (without daphnids);
 At test completion (or when complete mortality occurred within a replicate), water quality parameters were measured directly from replicates containing test organisms.

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



Coolant: IPK ICE No

Temp °C Pg of

Contact Options:
 Fax:
 Phone:
 Email:

Project P.O.:

Project: DHL
 Report to:
 Invoice to:

Customer: NES
 Address:

This section **MUST** be completed with **Bottle Quantities.**

Client Sample - Information - Identification

Sampler's Signature: _____ Date: _____

Matrix Code:
 DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
 RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
 OIL=Oil B=Bulk L=Liquid

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
CIS-224	02820	WW	09-15	9:00
CIS-225	02821	WW	09-15	9:10
	[REDACTED]			

Analysis Request

As is

Soil VOA Vials (methanol) H2O (oz)

GL Soil container () oz

GL Amber 1000ml (As is) HCl

PL As is (1250ml) 1500ml (1250ml) 1500ml

PL H2SO4 (250ml) 500ml (1000ml) 500ml

PL H2SO4 (250ml) 500ml (1000ml) 500ml

PL MeOH 250ml

Bacteria Boils

Relinquished by: [Signature] Accepted by: [Signature]

Date: 6-10-15 Time: 06:45

Direct Exposure (Residential) GW Other

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

Comments, Special Requirements or Regulations:

State where samples were collected: CT

* SURCHARGE APPLIES

M63



Tuesday, November 18, 2014

Attn: Mr. Tom Deller
Veolia Water, Naugatuck Plant
500 Cherry Street
Naugatuck, CT 06770

Project ID: NAUGATUCK
Sample ID#s: BH39136

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

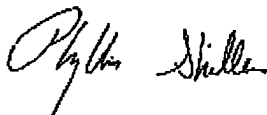
This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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



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

Analysis Report
 November 18, 2014

FOR: Attn: Mr. Tom Deller
 Veolia Water, Naugatuck Plant
 500 Cherry Street
 Naugatuck, CT 06770

Sample Information

Matrix: SLUDGE
 Location Code: VEOLIANA
 Rush Request: Standard
 P.O.#: [REDACTED]

Custody Information

Collected by: TD
 Received by: LB
 Analyzed by: see "By" below

Date Time
 11/10/14 0:00
 11/11/14 15:20

Laboratory Data

SDG ID: GBH39136
 Phoenix ID: BH39136

Project ID: NAUGATUCK
 Client ID: SLUDGE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Aluminum	23600	2.9	mg/Kg	11/12/14	EK	SW6010
Arsenic	3.0	1.0	mg/Kg	11/12/14	EK	SW6010
Beryllium	< 0.48	0.48	mg/Kg	11/12/14	EK	SW6010
Calcium	26200	71	mg/Kg	11/12/14	EK	SW6010
Cadmium	< 0.48	0.48	mg/Kg	11/12/14	EK	SW6010
Chromium	13.6	0.48	mg/Kg	11/12/14	EK	SW6010
Copper	483	4.8	mg/Kg	11/12/14	EK	SW6010
Iron	4440	0.48	mg/Kg	11/12/14	EK	SW6010
Mercury	0.36	0.36	mg/kg	11/12/14	RS	SW-7471
Molybdenum	7.89	0.48	mg/Kg	11/12/14	EK	SW6010
Sodium	4260	1.0	mg/Kg	11/12/14	EK	SW6010
Nickel	10.1	0.48	mg/Kg	11/12/14	EK	SW6010
Lead	< 0.48	0.48	mg/Kg	11/12/14	EK	SW6010
Selenium	17.4	2.4	mg/Kg	11/12/14	EK	SW6010
TCLP Silver	< 0.10	0.10	mg/L	11/12/14	EK	SW6010
TCLP Arsenic	< 0.10	0.10	mg/L	11/12/14	EK	SW6010
TCLP Barium	0.55	0.10	mg/L	11/12/14	EK	SW6010
TCLP Cadmium	< 0.050	0.050	mg/L	11/12/14	EK	SW6010
TCLP Chromium	< 0.10	0.10	mg/L	11/12/14	EK	SW6010
TCLP Mercury	< 0.0002	0.0002	mg/L	11/12/14	RS	SW7470
TCLP Lead	< 0.10	0.10	mg/L	11/12/14	EK	SW6010
TCLP Selenium	< 0.10	0.10	mg/L	11/12/14	EK	SW6010
TCLP Metals Digestion	Completed			11/12/14	JI	SW3005
Zinc	457	4.8	mg/Kg	11/12/14	EK	SW6010
Percent Solid	2.22	1	%			E160.3
Total Solids @ 104C	2.22	0.1	%	11/12/14	KH	E160.3
Fixed Solids @ 500C	24.0	0.1	%	11/12/14	KH	E160.4
pH - Sludge	5.60	0.10	pH Units	11/11/14 19:50	DH/KDB	4500-H B/9045

Project ID: NAUGATUCK
 Client ID: SLUDGE

Phoenix I.D.: BH39136

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Phosphorus, Total	20300	560	mg/Kg	11/13/14	MA	SM4500P E
Volatile Solids @ 500C	76.0	0.1	%	11/12/14	KH	S2540E/E160.4
Mercury Digestion	Completed			11/12/14	VI	SW7471
Paint Filter Test	Failed		PASS/FAIL	11/11/14	B	SW9095
Sludge Ext. for PCB	Completed			11/13/14	M/M	SW3550
TCLP Digestion Mercury	Completed			11/12/14	VI	E1311/7470
TCLP Herbicides Extraction	Completed			11/12/14	W/D	SW8150 Mod
TCLP Extraction for Metals	Completed			11/11/14	I	EPA 1311
TCLP Extraction for Organics	Completed			11/11/14	I	1311
TCLP Pesticides Extraction	Completed			11/12/14	T	SW3510
TCLP Semi-Volatile Extraction	Completed			11/12/14	T	SW3510
TCLP Extraction Volatiles	Completed			11/11/14	Y	EPA 1311
Total Metals Digest	Completed			11/11/14	CB/AG	SW846 - 3050
BTU Value	7884	500	BTU/LB	11/13/14	*	ASTMD2015 s

Polychlorinated Biphenyls

PCB-1016	ND	4400	ug/Kg	11/14/14	AW	SW 8082
PCB-1221	ND	4400	ug/Kg	11/14/14	AW	SW 8082
PCB-1232	ND	4400	ug/Kg	11/14/14	AW	SW 8082
PCB-1242	ND	4400	ug/Kg	11/14/14	AW	SW 8082
PCB-1248	ND	4400	ug/Kg	11/14/14	AW	SW 8082
PCB-1254	ND	4400	ug/Kg	11/14/14	AW	SW 8082
PCB-1260	ND	4400	ug/Kg	11/14/14	AW	SW 8082
PCB-1262	ND	4400	ug/Kg	11/14/14	AW	SW 8082
PCB-1268	ND	4400	ug/Kg	11/14/14	AW	SW 8082

QA/QC Surrogates

% DCBP	127		%	11/14/14	AW	30 - 150 %
% TCMX	93		%	11/14/14	AW	30 - 150 %

TCLP Herbicides

2,4,5-TP (Silvex)	ND	4.2	ug/L	11/13/14	BB	SW8151
2,4-D	ND	4.2	ug/L	11/13/14	BB	SW8151

QA/QC Surrogates

% DCAA	50		%	11/13/14	BB	30 - 150 %
--------	----	--	---	----------	----	------------

TCLP Pesticides

4,4' -DDD	ND	1.0	ug/L	11/14/14	CE	SW 8081
4,4' -DDE	ND	1.0	ug/L	11/14/14	CE	SW 8081
4,4' -DDT	ND	1.0	ug/L	11/14/14	CE	SW 8081
a-BHC	ND	0.50	ug/L	11/14/14	CE	SW 8081
Atachlor	ND	0.50	ug/L	11/14/14	CE	SW 8081
Aldrin	ND	0.50	ug/L	11/14/14	CE	SW 8081
b-BHC	ND	0.50	ug/L	11/14/14	CE	SW 8081
Chlordane	ND	5.0	ug/L	11/14/14	CE	SW 8081
d-BHC	ND	0.50	ug/L	11/14/14	CE	SW 8081
Dieldrin	ND	1.0	ug/L	11/14/14	CE	SW 8081
Endosulfan I	ND	0.50	ug/L	11/14/14	CE	SW 8081
Endosulfan II	ND	1.0	ug/L	11/14/14	CE	SW 8081
Endosulfan Sulfate	ND	1.0	ug/L	11/14/14	CE	SW 8081
Endrin	ND	1.0	ug/L	11/14/14	CE	SW 8081

Project ID: NAUGATUCK
Client ID: SLUDGE

Phoenix I.D.: BH39136

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Endrin Aldehyde	ND	1.0	ug/L	11/14/14	CE	SW 8081
g-BHC (Lindane)	ND	0.50	ug/L	11/14/14	CE	SW 8081
Heptachlor	ND	0.50	ug/L	11/14/14	CE	SW 8081
Heptachlor epoxide	ND	0.50	ug/L	11/14/14	CE	SW 8081
Methoxychlor	ND	0.50	ug/L	11/14/14	CE	SW 8081
Toxaphene	ND	20	ug/L	11/14/14	CE	SW 8081
<u>QA/QC Surrogates</u>						
%DCBP (Surrogate Rec)	93		%	11/14/14	CE	30 - 150 %
%TCMX (Surrogate Rec)	75		%	11/14/14	CE	30 - 150 %
<u>TCLP Volatiles</u>						
1,1-Dichloroethene	ND	25	ug/L	11/12/14	HM	SW8260
1,2-Dichloroethane	ND	25	ug/L	11/12/14	HM	SW8260
Benzene	ND	25	ug/L	11/12/14	HM	SW8260
Carbon tetrachloride	ND	25	ug/L	11/12/14	HM	SW8260
Chlorobenzene	ND	25	ug/L	11/12/14	HM	SW8260
Chloroform	ND	25	ug/L	11/12/14	HM	SW8260
Methyl ethyl ketone	ND	25	ug/L	11/12/14	HM	SW8260
Tetrachloroethene	ND	25	ug/L	11/12/14	HM	SW8260
Trichloroethene	ND	25	ug/L	11/12/14	HM	SW8260
Vinyl chloride	ND	25	ug/L	11/12/14	HM	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	104		%	11/12/14	HM	70 - 130 %
% Bromofluorobenzene	90		%	11/12/14	HM	70 - 130 %
% Dibromofluoromethane	107		%	11/12/14	HM	70 - 130 %
% Toluene-d8	101		%	11/12/14	HM	70 - 130 %
<u>TCLP Acid/Base-Neutral</u>						
1,4-Dichlorobenzene	ND	83	ug/L	11/13/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	83	ug/L	11/13/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	83	ug/L	11/13/14	DD	SW 8270
2,4-Dinitrotoluene	ND	83	ug/L	11/13/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	83	ug/L	11/13/14	DD	SW 8270
3&4-Methylphenol (m&p-Cresol)	280	83	ug/L	11/13/14	DD	SW 8270
Hexachlorobenzene	ND	83	ug/L	11/13/14	DD	SW 8270
Hexachlorobutadiene	ND	83	ug/L	11/13/14	DD	SW 8270
Hexachloroethane	ND	83	ug/L	11/13/14	DD	SW 8270
Nitrobenzene	ND	83	ug/L	11/13/14	DD	SW 8270
Pentachlorophenol	ND	83	ug/L	11/13/14	DD	SW 8270
Pyridine	ND	83	ug/L	11/13/14	DD	SW 8270
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	73		%	11/13/14	DD	15 - 110 %
% 2-Fluorobiphenyl	59		%	11/13/14	DD	30 - 130 %
% 2-Fluorophenol	44		%	11/13/14	DD	15 - 110 %
% Nitrobenzene-d5	60		%	11/13/14	DD	30 - 130 %
% Phenol-d5	40		%	11/13/14	DD	15 - 110 %
% Terphenyl-d14	72		%	11/13/14	DD	30 - 130 %

Project ID: NAUGATUCK
Client ID: SLUDGE

Phoenix I.D.: BH39136

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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S = This parameter is subcontracted.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

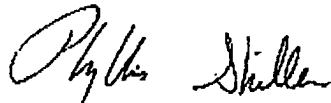
Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

BTU Value (ASTMD2015) was analyzed by CT certified lab #PH-0520.

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

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



Phyllis Shiller, Laboratory Director

November 18, 2014

Reviewed and Released by: Deb Lawrie, Project Manager



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

QA/QC Report

November 18, 2014

QA/QC Data

SDG I.D.: GBH39136

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCS D %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 292038, QC Sample No: BH38384 (BH39136)													
Mercury - Soil	BRL	0.26	0.16	NC	93.5	96.5	3.2	112			70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 292040, QC Sample No: BH39204 (BH39136)													
<u>ICP Metals - TCLP Extraction</u>													
Arsenic	BRL	<0.01	<0.01	NC	117	116	0.9	117	115	1.7	75 - 125	20	
Barium		0.02	0.53	0.56	5.50	108	101	6.7	97.5	98.7	1.2	75 - 125	20
Cadmium	BRL	<0.004	<0.005	NC	106	105	0.9	105	103	1.9	75 - 125	20	
Chromium	BRL	<0.010	<0.010	NC	104	104	0.0	104	102	1.9	75 - 125	20	
Lead	BRL	0.191	0.201	5.10	103	103	0.0	102	101	1.0	75 - 125	20	
Selenium	BRL	<0.04	<0.01	NC	122	121	0.8	122	121	0.8	75 - 125	20	
Silver	BRL	<0.005	<0.010	NC	106	98.8	7.0	106	105	0.9	75 - 125	20	
QA/QC Batch 292039, QC Sample No: BH39204 (BH39136)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	110	107	2.8				70 - 130	20	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 291967, QC Sample No: BH39377 (BH39136)													
<u>ICP Metals - Soil</u>													
Aluminum	BRL	8410	8780	4.30	90.1	94.6	4.9	NC	NC	NC	75 - 125	30	
Arsenic	BRL	2.0	2.23	NC	109	112	2.7	98.4	96.8	1.6	75 - 125	30	
Beryllium	BRL	0.31	0.31	NC	102	105	2.9	99.5	98.6	0.9	75 - 125	30	
Cadmium	BRL	<0.35	<0.37	NC	111	114	2.7	96.8	95.5	1.4	75 - 125	30	
Calcium	BRL	1240	868	35.3	101	107	5.8	NC	NC	NC	75 - 125	30	
Chromium	BRL	22.9	22.9	0	102	105	2.9	99.1	96.1	3.1	75 - 125	30	
Copper	BRL	16.7	15.4	8.10	97.1	99.2	2.1	103	104	1.0	75 - 125	30	
Iron	BRL	12200	13200	7.90	83.3	86.8	4.1	NC	NC	NC	75 - 125	30	
Lead	BRL	26.5	21.4	21.3	97.8	100	2.2	98.7	94.9	3.9	75 - 125	30	
Nickel	BRL	7.87	7.98	1.40	102	106	3.8	99.0	98.2	0.8	75 - 125	30	
Selenium	BRL	<1.4	<1.5	NC	107	111	3.7	94.6	93.2	1.5	75 - 125	30	
Sodium	BRL	75.3	68.8	9.00	112	112	0.0	>130	>130	NC	75 - 125	30	
Zinc	BRL	38.4	36.7	4.50	111	114	2.7	97.4	97.9	0.5	75 - 125	30	

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



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QA/QC Report
 November 18, 2014

QA/QC Data

SDG I.D.: GBH39136

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 292057, QC Sample No: BH38503 (BH39136)												
Total Solids	BRL	23.9	23.9	0	100						85 - 115	30
QA/QC Batch 292175, QC Sample No: BH39136 (BH39136)												
Phosphorus, Total as P	BRL	20300	21300	4.80	106						85 - 115	30
QA/QC Batch 292035, QC Sample No: BH39325 (BH39136)												
pH - Soil		8.32	8.26	0.70	97.3						85 - 115	20



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QA/QC Report
 November 18, 2014

QA/QC Data

SDG I.D.: GBH39136

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 291924, QC Sample No: BH37763 (BH39136)									
Polychlorinated Biphenyls - Sludge									
PCB-1016	ND	73	82	11.6				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	81	90	10.5				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	87	84	89	5.8				30 - 150	30
% TCMX (Surrogate Rec)	72	71	78	9.4				30 - 150	30
QA/QC Batch 292049, QC Sample No: BH38497 (BH39136)									
Chlorinated Herbicides									
2,4,5-TP (Silvex)	ND	90	81	10.5				40 - 140	20
2,4-D	ND	98	84	15.4				40 - 140	20
% DCAA (Surrogate Rec)	73	85	70	19.4				30 - 150	20
QA/QC Batch 292119, QC Sample No: BH39171 (BH39136)									
Semivolatiles									
1,4-Dichlorobenzene	ND	67	66	1.5				30 - 130	20
2,4,5-Trichlorophenol	ND	99	97	2.0				30 - 130	20
2,4,6-Trichlorophenol	ND	92	89	3.3				30 - 130	20
2,4-Dinitrotoluene	ND	92	96	4.3				30 - 130	20
2-Methylphenol (o-cresol)	ND	82	81	1.2				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	80	79	1.3				30 - 130	20
Hexachlorobenzene	ND	106	96	9.9				30 - 130	20
Hexachlorobutadiene	ND	79	75	5.2				30 - 130	20
Hexachloroethane	ND	67	65	3.0				30 - 130	20
Nitrobenzene	ND	87	87	0.0				30 - 130	20
Pentachlorophenol	ND	83	84	1.2				30 - 130	20
Pyridine	ND	31	31	0.0				30 - 130	20
% 2,4,6-Tribromophenol	92	83	78	6.2				15 - 110	20
% 2-Fluorobiphenyl	79	76	74	2.7				30 - 130	20
% 2-Fluorophenol	60	55	54	1.8				15 - 110	20
% Nitrobenzene-d5	80	77	77	0.0				30 - 130	20
% Phenol-d5	50	49	48	2.1				15 - 110	20
% Terphenyl-d14	71	72	81	11.8				30 - 130	20

Comment:

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

Additional 8270 criteria: 20% 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%)

QA/QC Data

SDG I.D.: GBH39136

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 292171, QC Sample No: BH39227 (BH39136 (5X))

Volatiles - TCLP

1,1-Dichloroethene	ND	114	115	0.9	103	104	1.0	70 - 130	30
1,2-Dichloroethane	ND	108	109	0.9	101	100	1.0	70 - 130	30
Benzene	ND	115	115	0.0	100	102	2.0	70 - 130	30
Carbon tetrachloride	ND	114	114	0.0	102	104	1.9	70 - 130	30
Chlorobenzene	ND	114	112	1.8	99	102	3.0	70 - 130	30
Chloroform	ND	106	107	0.9	100	101	1.0	70 - 130	30
Methyl ethyl ketone	ND	105	103	1.9	97	98	1.0	70 - 130	30
Tetrachloroethene	ND	122	120	1.7	103	107	3.8	70 - 130	30
Trichloroethene	ND	118	120	1.7	101	107	5.8	70 - 130	30
Vinyl chloride	ND	122	122	0.0	108	107	0.9	70 - 130	30
% 1,2-dichlorobenzene-d4	105	99	101	2.0	101	101	0.0	70 - 130	30
% Bromofluorobenzene	95	100	100	0.0	99	100	1.0	70 - 130	30
% Dibromofluoromethane	108	102	102	0.0	106	101	4.8	70 - 130	30
% Toluene-d8	100	101	102	1.0	100	100	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

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

QA/QC Batch 292117, QC Sample No: BH39529 (BH39136)

Pesticides

4,4' -DDD	ND	80	90	11.8				40 - 140	20
4,4' -DDE	ND	80	91	12.9				40 - 140	20
4,4' -DDT	ND	76	87	13.5				40 - 140	20
a-BHC	ND	82	98	17.8				40 - 140	20
a-Chlordane	ND	79	89	11.9				40 - 140	20
Alachlor	ND	NA	NA	NC				40 - 140	20
Aldrin	ND	74	86	15.0				40 - 140	20
b-BHC	ND	87	98	11.9				40 - 140	20
Chlordane	ND	80	90	11.8				40 - 140	20
d-BHC	ND	81	90	10.5				40 - 140	20
Dieldrin	ND	95	107	11.9				40 - 140	20
Endosulfan I	ND	80	89	10.7				40 - 140	20
Endosulfan II	ND	85	101	17.2				40 - 140	20
Endosulfan sulfate	ND	81	88	8.3				40 - 140	20
Endrin	ND	78	89	13.2				40 - 140	20
Endrin aldehyde	ND	99	101	2.0				40 - 140	20
g-BHC	ND	87	102	15.9				40 - 140	20
g-Chlordane	ND	80	90	11.8				40 - 140	20
Heptachlor	ND	80	99	21.2				40 - 140	20
Heptachlor epoxide	ND	81	94	14.9				40 - 140	20
Methoxychlor	ND	86	102	17.0				40 - 140	20
Toxaphene	ND	NA	NA	NC				40 - 140	20
% DCBP	102	88	93	5.5				40 - 150	20
% TCMX	83	65	80	20.7				40 - 150	20

Comment:

A LCS and LCS duplicate were performed instead of a MS and MSD. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS and LCSD

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

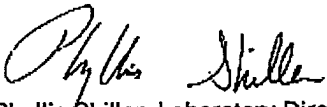
QA/QC Data

SDG I.D.: GBH39136

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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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
- Intf - Interference


Phyllis Shiller, Laboratory Director
November 18, 2014

Sample Criteria Exceedences Report

GBH39136 - VEOLIANA

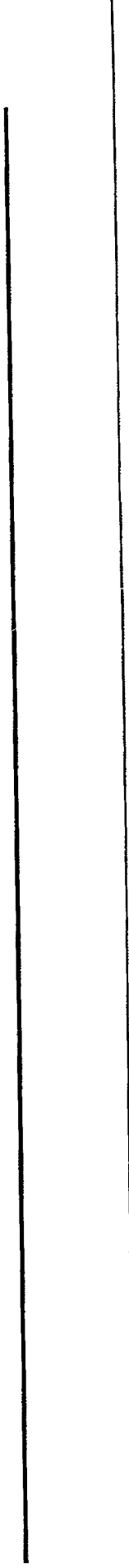
Criteria: None

State: CT

Sample No	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
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*** No Data to Display ***

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.



Cooler: Yes No
 IPK ICE
 Temp C Fg of
 Data Delivery: Fax #: _____
 Email: tom.deller@veolia.com

CHAIN OF CUSTODY RECORD

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



Customer: Veolia Water, NA
Address: 500 Cherry St Ext
 Naugatuck, Ct 06770
 Attn: Tom Deller
Project: Naugatuck
Report to: Tom Deller
Invoice to: _____
Phone #: 203-723-1433 ext 2004
Fax #: 203-723-8539
Project P.O.: _____

Sampler's Signature: *[Signature]* **Date:** 11-11-14
Client Sample - Information - Identification:
 Matrix Codes: DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
 RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
 OIL=Oil B=Bulk L=Liquid
Customer Sample Identification: SLUDGE
Date Sampled: 11/10/2014
Sample Matrix: SL
Time Sampled: _____

Analysis Request	RI	CT	MA	Data Format
FILE TLR, % SOLIDS, FIXED SOLIDS				
PH, AS, BA, CA, CL, CU, FE, HG, P				
PCSA, BT/UB, PAH, Filter Test				
SOIL VOA Yaka (methanol) 1/20				
GL Soil container () or				
40 ml VOA Yaka () or				
GL Amber 100ml 1/50ml 1/100ml				
PL As 16 (X 1/250ml) 1/50ml 1/100ml				
PL H2SO4 (X 1/250ml) 1/50ml 1/100ml				
PL HNO3 250ml				
Bacteria Code				

Relinquished by: *[Signature]* **Accepted by:** *[Signature]*
Turnaround:
 1 Day*
 2 Days*
 3 Days*
 Standard
 Other
*** SURCHARGE APPLIES**

Dates: 11/11/14 10:24
 11/11/14 15:20
Time: 10:24
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
Data Format:
 Excel
 PDF
 GIS/Key
 EQUIS
 Other
Data Package:
 Tier II Checklist
 Full Data Package*
 Phoenix Std Report
 Other
*** SURCHARGE APPLIES**

Comments, Special Requirements or Regulations:
 SOUTHTON
 State where samples were collected: _____
*** SURCHARGE APPLIES**

M51

TCLP 10-2015

**ANALYTICAL
CONSULTING
TECHNOLOGY, INC**

Certified Laboratory

US EPA CT-021
CT PH-0518
EMail actlabs@sbcglobal.net

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www.actlabs.biz

[Redacted]

[Redacted]

Report Date: 12/15/2015

ACT Number: 2015100147 - 1 Sample Date: 10/19/2015 Date Received: 10/20/2015
Sample Type: Composite Sample Time: 09:10: Project number
Collected by: Client Sample Matrix: Sludge
Location/ID: Dewatered Sludge
Description:

Laboratory Test	Result	Units	Method	Analysis Date	Analyst
<i>Inorganic</i>					
Fixed Solids	12.42	%	SM2540-G	10/26/2015 02:00:00 PM	EG
Nitrate (As N)	<18	mg/Kg Dry	SW846-9056	10/27/2015 03:43:00 PM	NS
Nitrite (As N)	<3.6	mg/Kg Dry	SW846-9056	10/27/2015 03:43:00 PM	NS
pH	5.24	S.U.	SM 4500-H+B	10/21/2015 02:50:00 PM	NS
Total Solids	2.24	%	SM2540B	10/26/2015 02:00:00 PM	EG
Volatile Solids	87.58	%	SM2540-GIV	10/26/2015 02:00:00 PM	EG
<i>Metals</i>					
Arsenic, Total	<0.25	mg/Kg Dry	SW846-6010	10/27/2015 06:48:00 PM	RAB
Beryllium, Total	<0.25	mg/Kg Dry	SW846-6010	10/27/2015 06:48:00 PM	RAB
Cadmium, Total	2.08	mg/Kg Dry	SW846-6010	10/27/2015 06:48:00 PM	RAB
Chromium, Total	39.19	mg/Kg Dry	SW846-6010	10/27/2015 06:48:00 PM	RAB
Copper, Total	923.13	mg/Kg Dry	SW846-6010	10/27/2015 06:48:00 PM	RAB
Lead, Total	55.49	mg/Kg Dry	SW846-6010	10/27/2015 06:48:00 PM	RAB
Mercury, Total	0.55	mg/Kg Dry	SW846-7470	11/12/2015 05:00:00 PM	RAB
Metals Extraction	Complete		SW846-3015	10/27/2015 06:48:00 PM	RAB
Nickel, Total	26.59	mg/Kg Dry	SW846-6010	10/27/2015 06:48:00 PM	RAB
Selenium, Total	<0.25	mg/Kg Dry	SW846-6010	10/27/2015 06:48:00 PM	RAB
Zinc, Total	914.25	mg/Kg Dry	SW846-6010	10/27/2015 06:48:00 PM	RAB

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[REDACTED]
[REDACTED]
[REDACTED]

Page 2

Report Date: 12/15/2015

ACT Number: 2015100147 - 1 Sample Date: 10/19/2015 Date Received: 10/20/2015
Sample Type: Composite Sample Time: 09:10: Project number
Collected by: Client Sample Matrix: Sludge
Location/ID: Dewatered Sludge
Description:

Laboratory Test	Result	Units	Method	Analysis Date	Analyst
<i>PCB's</i>					
Arochlor 1016	<1.0	mg/Kg Dry	SW846-8082A	11/05/2015 04:28:00 AM	RL
Arochlor 1221	<1.0	mg/Kg Dry	SW846-8082A	11/05/2015 04:28:00 AM	RL
Arochlor 1232	<1.0	mg/Kg Dry	SW846-8082A	11/05/2015 04:28:00 AM	RL
Arochlor 1242	<1.0	mg/Kg Dry	SW846-8082A	11/05/2015 04:28:00 AM	RL
Arochlor 1248	<1.0	mg/Kg Dry	SW846-8082A	11/05/2015 04:28:00 AM	RL
Arochlor 1254	<1.0	mg/Kg Dry	SW846-8082A	11/05/2015 04:28:00 AM	RL
Arochlor 1260	<1.0	mg/Kg Dry	SW846-8082A	11/05/2015 04:28:00 AM	RL

For Analytical Consulting Technology, Inc.


Laboratory Director

2015100147

M82 7-2015



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

Draft Progress Report

July 15, 2015

FOR: [Redacted]

Sample Information

Matrix: WASTE WATER
Location Code: UIL-SCG
Rush Request: 72 Hour
P.O.#: 4500426677-10

Custody Information

Collected by: PS
Received by: LB
Analyzed by: see "By" below

Date Time
07/09/15 11:00
07/10/15 15:32

Laboratory Data

SDG ID: GBJ44736
Phoenix ID: BJ44736

Project ID: [Redacted]
Client ID: [Redacted]

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	1	07/13/15	EK	E200.7
Beryllium	< 0.001	0.001	mg/L	1	07/13/15	EK	E200.7
Cadmium	< 0.001	0.001	mg/L	1	07/13/15	EK	E200.7
Mercury	< 0.0002	0.0002	mg/L	1	07/13/15	MA	E245.1
Nickel	0.002	0.001	mg/L	1	07/13/15	EK	E200.7
Selenium	< 0.010	0.010	mg/L	1	07/13/15	EK	E200.7
Fixed Solids	140	10	mg/L	1	07/14/15	KH/TM	SM209D/E160.4
Total Solids	150	10	mg/L	1	07/14/15	KH/TM	SM2540B-97
Volatile Solids	10	10	mg/L	1	07/14/15	KH/TM	SM2540E/E160.4-9
Mercury Digestion	Completed				07/13/15	I/I	E245.1
Total Metals Digestion	Completed				07/10/15	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller
Phyllis Shiller, Laboratory Director
July 15, 2015

Wednesday, July 15, 2015

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBJ44736 - UIL-SCG

Page 1 of 1

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

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.

CHAIN OF CUSTODY RECORD



687 East Middle Turnpike, P.O. Box 373, Manchester, CT 06040
 Email: info@phoenixlabs.com Fax (860) 645-0823
 Client Services (860) 645-8726

Cooler: Yes No
 IPK ICL No

Temp 2 °C Pg 1 of 1
 Contact Options:

Fax: _____
 Phone: _____
 Email: _____

Customer: UIL / SC-6
 Address: _____
 Project: Project P.O.: y500426477
 Report to: PAUL S. LAWRENCE, DIRECTOR, LADA
 Invoice to: ACCOUNTS PAYABLE @ UIL, INC.
 This section **MUST** be completed with **Bottle Quantities.**

Client Sample - Information - Identification
 Sampler's Signature: Paul S. Lawrence Date: 7/9/15
 Matrix Codes:
 DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
 RW=Raw Water SE=Seawater SL=Sludge S=Soil SD=Solid W=Wipe
 OIL=Oil B=Bulk L=Liquid
 PHOENIX USE ONLY
 CUSTOMER IDENTIFICATION: COOLING TOWER Date Sampled: 7/9/15 Time Submitted: 11:00
 SAMPLE #: 94930 Sample Matrix: WSW

Analysis Request	Topsoil	Soil	Water	Sludge	Other
Soil (Lead)	X				
Soil (Cadmium)	X				
Soil (Copper)	X				
Soil (Chromium)	X				
Soil (Manganese)	X				
Soil (Nickel)	X				
Soil (Selenium)	X				
Soil (Vanadium)	X				
Soil (Zinc)	X				
Soil (Arsenic)	X				
Soil (Barium)	X				
Soil (Boron)	X				
Soil (Cobalt)	X				
Soil (Iron)	X				
Soil (Molybdenum)	X				
Soil (Silver)	X				
Soil (Tin)	X				
Soil (Titanium)	X				
Soil (Zinc)	X				
Soil (Aluminum)	X				
Soil (Chloride)	X				
Soil (Fluoride)	X				
Soil (Nitrate)	X				
Soil (Nitrite)	X				
Soil (Phosphate)	X				
Soil (Sulfate)	X				
Soil (Total Solids)	X				
Soil (Total Suspended Solids)	X				
Soil (Total Dissolved Solids)	X				
Soil (Total Hardness)	X				
Soil (Calcium)	X				
Soil (Magnesium)	X				
Soil (pH)	X				
Soil (Electrical Conductivity)	X				
Soil (Total Organic Carbon)	X				
Soil (Total Organic Nitrogen)	X				
Soil (Total Organic Sulfur)	X				
Soil (Total Organic Halogen)	X				
Soil (Total Organic Phosphorus)	X				
Soil (Total Organic Chlorine)	X				
Soil (Total Organic Nitrogen)	X				
Soil (Total Organic Sulfur)	X				
Soil (Total Organic Halogen)	X				
Soil (Total Organic Phosphorus)	X				
Soil (Total Organic Chlorine)	X				

Retained by: Paul S. Lawrence Accepted by: Paul S. Lawrence
 Date: 7-10-15 8:00 Time: 8:00
7-10-15 15:32 Time: 15:32
 Turnaround: 1 Day* 2 Days* 3 Days* Standard Other: _____
 Comments, Special Requirements or Regulations: _____
 State where samples were collected: _____
 State where samples were collected: _____
 MA: MOP Certification GW-1 GW-2 GW-3 S-1 S-2 S-3 MWRA eSMART Other _____
 CT: RCP Cert. GW Protection SW Protection IGA Mobility GR Mobility Residential DEC I/C DEC Other _____
 RI: Direct Exposure (Residential) GW Other _____
 RI Next Exposure: _____
 Date Format: Excel PDF GIS/Key EQUIS Other _____
 Data Package: Tier II Checklist Full Data Package* Printout x 8 1/2 Report Other _____
 SURCHARGE APPLIES

Sarah - Phoenixlabs

From: Paul Slawski [Paul.Slawski@uinet.com]
Sent: Monday, July 13, 2015 9:44 AM
To: clientservices@phoenixlabs.com
Cc: sarah@phoenixlabs.com
Subject: RE: Phoenix Labs - GBJ44736, - COC Acknowledgement


Please bill this to PO # 4500426677

From: clientservices@phoenixlabs.com [mailto:clientservices@phoenixlabs.com]
Sent: Monday, July 13, 2015 9:40 AM
To: Paul Slawski
Subject: Phoenix Labs - GBJ44736, - COC Acknowledgement

Paul,

A Purchase Order Number was not listed on the COC. If a PO# is required for billing purposes, please respond immediately to this email with the information so that it may be included on the invoice.

Delivery group GBJ44736 has been logged in for the following samples:

Phoenix Id	Client Id
BJ44736	

The samples in this delivery group were received at 3°C. (Note acceptance criteria is above freezing up to 6°C)

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

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06374
Tel. (860) 645-1102
Fax. (860) 645-0823
www.phoenixlabs.com

Please do not reply to this email.

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lisa@phoenixlabs.com

From: Paul Slawski [Paul.Slawski@uinet.com]
Sent: Monday, July 13, 2015 11:00 AM
To: lisa@phoenixlabs.com
Subject: RE: [REDACTED] Phoenix ID GBJ44736

Hi Lisa,

That was my mistake. It should be UIL/SCG EO [REDACTED] 477. I had put the address my sample location. Please make the correction.

-Paul

From: lisa@phoenixlabs.com [mailto:lisa@phoenixlabs.com]
Sent: Monday, July 13, 2015 10:57 AM
To: Paul Slawski
Subject: [REDACTED] Phoenix ID GBJ44736

Good morning Paul,

I noticed this chain has a different address for UIL/SCG. Should this be set up under this address for Reporting and Invoicing?

If not, please confirm the address location you need this on.

Thank you,

Lisa Arnold
Client Services Representative
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040
Ph: 1-860-645-1102
Fx: 1-860-645-0823

Disclaimer This e-mail, and any attached file(s), is intended solely for the use of the individual or entity to whom this e-mail is addressed and may contain information that is privileged, confidential or exempt from disclosure. If you are not one of the named recipient(s) or otherwise have reason to believe that you have received this message in error, please notify the sender and delete this message immediately from any computer. Any other use, retention, dissemination, retransmission, printing or copying of this e-mail or its contents (including any attached files) is strictly prohibited.

7/13/2015



M66

[Redacted]

Report Date..... 21-May-15
EML Project ID..... 150506-STR-B
Your Project ID..... Sludge Sample
MAY

Date Sampled..... 6-May-15
Date Submitted..... 6-May-15

[Redacted]

Attn: Ms Caroline Joy Hamilla

Results in mg/L unless otherwise noted.
ND = Not Detected.

Parameter	Results (dry weight)	Method	Det.Limit	Units	Completed	
					Date	Time
Total Solids	4.22%	SM 2540G		% w/w	7-May-15	0900
Fixed Solids	14.82%	SM 2540G		% w/w	7-May-15	0900
Volatile Solids	85.18%	SM 2540G		% w/w	7-May-15	0900
Arsenic	0.39	SW846 7060A	<0.2	mg/Kg	11-May-15	1106
Beryllium	ND	SW846 6010B	<0.2	mg/Kg	8-May-15	0309
Cadmium	1.66	SW846 6010B	<0.1	mg/Kg	8-May-15	0309
Chromium	10.48	SW846 6010B	<0.2	mg/Kg	8-May-15	0309
Copper	261.	SW846 6010B	<0.2	mg/Kg	8-May-15	0309
Lead	31.04	SW846 6010B	<0.5	mg/Kg	8-May-15	0309
Mercury	0.55	SW846 7471A	<0.02	mg/Kg	11-May-15	1700
Nickel	8.91	SW846 6010B	<0.2	mg/Kg	8-May-15	0309
Zinc	475.	SW826 6010B	<0.2	mg/Kg	8-May-15	0309
Polychlorinated biphenyls* (PCBs)	ND	SW846 8082	<1	mg/Kg	19-May-15	2019

* Any or sum of USEPA-regulated Aroclor

Tab: STR-s

Technical Reviewer: [Signature]

Title [Signature]

Transcript Reviewer: [Signature]

Title [Signature]



ENVIRONMENTAL MONITORING LABORATORY, INC.

[Redacted] M3 [Redacted]



Friday, April 17, 2015

Attn: Mr. Mike Madden
SYNAGRO (NHRLP)
345 East Shore Parkway
New Haven, CT 06512

Project ID: NPDES
Sample ID#s: BJ00839

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

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

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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



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

Analysis Report
 April 17, 2015

FOR: Attn: Mr. Mike Madden
 SYNAGRO (NHRLP)
 345 East Shore Parkway
 New Haven, CT 06512

Sample Information

Matrix: SLUDGE
 Location Code: SYN-NH
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by: MM
 Received by: LK
 Analyzed by: see "By" below

Date Time

04/09/15 8:00
 04/10/15 15:04

Laboratory Data

SDG ID: GBJ00839
 Phoenix ID: BJ00839

Project ID: NPDES
 Client ID: ██████████ 2015 NPDES

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	2.8	0.6	mg/Kg	1	04/11/15	LK	SW6010C
Beryllium	< 0.32	0.32	mg/Kg	1	04/11/15	LK	SW6010C
Cadmium	1.09	0.32	mg/Kg	1	04/11/15	LK	SW6010C
Chromium	13.1	0.32	mg/Kg	1	04/11/15	LK	SW6010C
Copper	454	3.2	mg/Kg	10	04/11/15	LK	SW6010C
Mercury	< 0.17	0.17	mg/kg	1	04/13/15	RS	SW7471B
Nickel	11.7	0.32	mg/Kg	1	04/11/15	LK	SW6010C
Lead	49.0	0.32	mg/Kg	1	04/11/15	LK	SW6010C
Zinc	499	3.2	mg/Kg	10	04/11/15	LK	SW6010C
Percent Solid	3.53	1	%				SW846-%Solid
Total Solids @ 104C	3.53	0.1	%	1	04/14/15	KH	SM2540B-97
Fixed Solids @ 500C	13.7	0.1	%	1	04/14/15	KH	E160.4
pH - Sludge	5.68	0.10	pH Units	1	04/10/15 23:30	DH/KDB	SW9045
Volatile Solids @ 500C	86.3	0.1	%	1	04/14/15	KH	SM2540E/E160.4-9
Mercury Digestion	Completed				04/13/15	I/I	SW7471B
Sludge Ext. for PCB	Completed				04/13/15	M/M	SW3550C
Total Metals Digest	Completed				04/10/15	CB/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	2800	ug/Kg	1	04/14/15	AW	SW8082A
PCB-1221	ND	2800	ug/Kg	1	04/14/15	AW	SW8082A
PCB-1232	ND	2800	ug/Kg	1	04/14/15	AW	SW8082A
PCB-1242	ND	2800	ug/Kg	1	04/14/15	AW	SW8082A
PCB-1248	ND	2800	ug/Kg	1	04/14/15	AW	SW8082A
PCB-1254	ND	2800	ug/Kg	1	04/14/15	AW	SW8082A
PCB-1260	ND	2800	ug/Kg	1	04/14/15	AW	SW8082A
PCB-1262	ND	2800	ug/Kg	1	04/14/15	AW	SW8082A
PCB-1268	ND	2800	ug/Kg	1	04/14/15	AW	SW8082A

Project ID: NPDES

Phoenix I.D.: BJ00839

Client ID: ██████████ 2015 NPDES

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>QA/QC Surrogates</u>							
% DCBP	113		%	1	04/14/15	AW	30 - 150 %
% TCMX	86		%	1	04/14/15	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

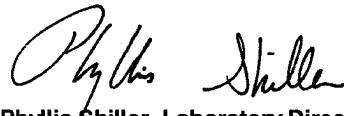
Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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



Phyllis Shiller, Laboratory Director

April 17, 2015

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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

April 17, 2015

QA/QC Data

SDG I.D.: GBJ00839

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 304268 (mg/kg), QC Sample No: BH99667 (BJ00839)													
ICP Metals - Soil													
Arsenic	BRL	0.60	1.1	0.93	NC	94.6	94.6	0.0	94.3	95.3	1.1	75 - 125	30
Beryllium	BRL	0.24	0.28	<0.28	NC	96.4	98.6	2.3	96.9	97.6	0.7	75 - 125	30
Cadmium	BRL	0.30	<0.34	<0.35	NC	97.8	111	12.6	96.4	97.0	0.6	75 - 125	30
Chromium	BRL	0.30	8.20	7.02	15.5	98.3	102	3.7	101	103	2.0	75 - 125	30
Copper	BRL	0.30	12.9	9.58	29.5	96.1	100	4.0	105	110	4.7	75 - 125	30
Lead	BRL	0.30	5.79	4.83	18.1	99.8	99.8	0.0	97.5	98.1	0.6	75 - 125	30
Nickel	BRL	0.30	5.19	4.49	14.5	96.9	106	9.0	99.4	100	0.6	75 - 125	30
Zinc	BRL	0.30	18.3	15.2	18.5	95.3	105	9.7	97.3	101	3.7	75 - 125	30

QA/QC Batch 304352 (mg/kg), QC Sample No: BJ00952 (BJ00839)

Mercury - Soil	BRL N	0.06	0.18	0.21 N	15.4	107 N	110 N	2.8	111			70 - 130	30
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Comment:

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



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

April 17, 2015

QA/QC Data

SDG I.D.: GBJ00839

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 304362 (), QC Sample No: BJ00141 (BJ00839)													
Total Solids		BRL	0.1	21.2	20.8	1.90	100					85 - 115	30
QA/QC Batch 304315 (PH), QC Sample No: BJ00839 (BJ00839)													
pH - Sludge			5.68	5.71	0.50	98.1							



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

April 17, 2015

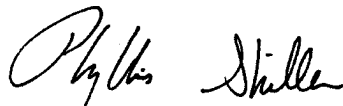
QA/QC Data

SDG I.D.: GBJ00839

Parameter	Blank	Bik RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 304022 (ug/Kg), QC Sample No: BH92773 (BJ00839)										
Polychlorinated Biphenyls - Sludge										
PCB-1016		ND 100	66	71	7.3				40 - 140	30
PCB-1221		ND 100							40 - 140	30
PCB-1232		ND 100							40 - 140	30
PCB-1242		ND 100							40 - 140	30
PCB-1248		ND 100							40 - 140	30
PCB-1254		ND 100							40 - 140	30
PCB-1260		ND 100	79	86	8.5				40 - 140	30
PCB-1262		ND 100							40 - 140	30
PCB-1268		ND 100							40 - 140	30
% DCBP (Surrogate Rec)		94 %	95	101	6.1				30 - 150	30
% TCMX (Surrogate Rec)		75 %	75	72	4.1				30 - 150	30

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
- Intf - Interference


 Phyllis Shiller, Laboratory Director
 April 17, 2015

Friday, April 17, 2015

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBJ00839 - SYN-NH

Page 1 of 1

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

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.

00150

Temp 0 Pg of

CHAIN OF CUSTODY RECORD

687 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: mmadden@synagro.com

Project: NPDES
Report to: Mike Madden
Invoice to: Accounts Payable

Project P.O.:
Phone #: 203-469-0402
Fax #: 203-469-0418

Customer: SYNAGRO (NHRLP)
Address: 345 East Shore Parkway
New Haven, CT 06512

Sampler's Signature: *Michael Madden* Date: 4-9-15

Analysis Request

Matrix Code: WW=wastewater S=soil/solid O=oil X=other
DW=drinking water SL=sludge A=air
Customer Sample Identification: *[Redacted]* Date: 4/9/15
Time Sampled: 0800

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
00839	<i>[Redacted]</i> 2015 NPDES	SL	4/9/15	0800

Analysis Request

Trailing(s) Res. Cd Cr Cl Pb Hg Ni Zn pH (SL), PCBs (mg/kg) Scale (%), Pres, Total Volume
Soil VOC Vale [Metanol] [Sed Bisphenol] GL soil container (6.3 oz) GL VOC Vale [Metanol] [Sed Bisphenol] 40 ml VOC Vale [As Is] [H2SO4] GL Amber 100ml [As Is] [H2SO4] PL As Is [250ml] [1800ml] [1000ml] PL H2SO4 [250ml] [1500ml] [1000ml] Bacteria Bottle PL H2O3 250ml PL H2O4 250ml

Relinquished by: *John Dan*
Accepted by: *[Signature]*
Date: 4/16/15 10:13

Date: 4/16/15 15:04

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

GTRI

RCP Cert
GW-1
GW-2
GW-3
S-1
S-2
S-3
Ind. Vol.
Res. Criteria
Other

MA

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

Data Format

Excel
PDF
GIS/Key
EQUIS
Other

Data Package

ASP-A
NJ Reduced Deliv.*
NJ HazSite EDD
Phoenix Std Report
Other

Comments, Special Requirements or Regulations:

State where samples were collected: *CT*

LOCATION CODE (SYN-NH)

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number B0514-21A

Prepared for:

Attn: Wes Plummer
Synagro
15 Cumberland Hill Rd.
Woonsocket, RI 02895

Report Date: May 15, 2015



Director
New England Testing Laboratory, Inc.
Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on May 14, 2015. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is B0514-21A.

Custody records are included in this report.

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
[REDACTED] WWTP	5/14/2015	Other	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Selenium	3050B	6010C

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE

The sample was received at 2 Deg. C. All analyses were performed within EPA designated holding-times. Procedure calibration checks required by the designated protocols were within control limits.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

METALS RESULTS



Case Number: B0514-21
 Sample ID: ██████████ WWTP
 Date collected: 5/14/15
 Matrix: SOLID
 Solids, %: 7.15 SJC/AM
 Sample Type: Total

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Selenium	7782-49-2	3050B	6010C	8.14	4.65	mg/kg	5/15/15	5/15/15

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Sample ID: Preparation Blank
 Matrix SOIL
 Solids, % 100 SJC/AM
 Sample Type: Total

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Selenium	7782-49-2	3050B	6010C	ND	0.67	mg/kg	5/15/15	5/15/15

ND indicates Not Detected.

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Internal

Parameter	True Value	Result	Units	Recovery, %	LCL, %	UCL, %	Date Analyzed
Selenium	20.0	19.3	mg/kg	97	85	115	5/15/15

New England Testing Laboratory, Inc.

BOS14-21A
Providence
4/17/14

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue
North Providence, RI 02904
1-888-863-8522

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME/LOCATION		INVOICE TO:		REPORT TO:		CLIENT		NO. OF CONTAINERS		REMARKS	
DATE	TIME	C O M P	G R A B	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME
5/14/15				Branford	WWTP	1	NOV			1	NOV		
5/14/15				Mystic	WPEF	1	NOV			1	NOV		
5/14/15				Pawcatuck	WPEF	1	NOV			1	NOV		
5/14/15				Groton City		1	NOV			1	NOV		
5/14/15				Stonington	(Raw Sludge)	1	NOV			1	NOV		

Sampled by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Laboratory Remarks:	Special Instructions:
<i>[Signature]</i>	5/14/15	<i>[Signature]</i>	5/14/15 16:40	Temp. received: 22C	List Specific Detection Limit Requirements:
Requested by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Cooled <input type="checkbox"/>	Turnaround (Business Days)
<i>[Signature]</i>	5/14/15 17:20	<i>[Signature]</i>	5/14/15 17:20		24 hours

**Netlab subcontractors the following tests: Radiologicals, Radon, Asbestos, UCMFs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

149
SYNAGRO
Selenium 5 2015



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

Draft Progress Report

May 20, 2015

FOR: Attn: Mr. Mike Madden
SYNAGRO (NHRLP)
345 East Shore Parkway
New Haven, CT 06512

Sample Information

Matrix: SLUDGE
Location Code: SYN-NH
Rush Request: 24 Hour
P.O.#:

Custody Information

Collected by: MM
Received by: LB
Analyzed by: see "By" below

Date

05/19/15
05/19/15

Time

6:00
16:38

Laboratory Data

SDG ID: GBJ18953
Phoenix ID: BJ18953

Project ID: LIQUID SLUDGE TESTING
Client ID: [REDACTED]

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Selenium	2.9	0.9	mg/Kg	1	05/20/15	LK	SW6010C
Total Solids @ 104C	5.39	0.1	%	1	05/20/15	KH/KDB	SM2540B-97
pH - Sludge	5.04	0.10	pH Units	1	05/19/15 20:10	DH/KDB	SW9045
Total Metals Digest	Completed				05/19/15	CB/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-tir

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
May 20, 2015

Wednesday, May 20, 2015

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBJ18953 - SYN-NH

SampNo	Acode	Phoenix Analyte	Criteria	Result	R
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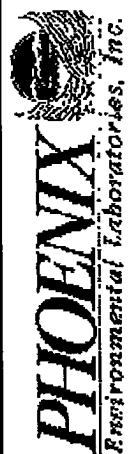
*** No Data to Display ***

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 accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately to determine appropriate compliance.

9 pages

CHAIN OF CUSTODY RECORD

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



Date Delivery: _____
 Temp _____
 Pp _____ of _____
 E-mail: info@phoenixlabs.com

Project P.O. _____
 Phone #: 203-469-0402
 Fax #: 203-469-0418

Project: Liquid Sludge Testing
 Report to: Mike Macdon
 Invoice to: Accounts Payable

Customer: SYNAGRO (NHRLP) #SYNAGRO
 Address: 345 East Shore Parkway
 New Haven, CT 06512

Analysis Request

Time (hr:kg:sc)	Sample	Matrix	Time Sampled
5:19:15	SL	SL	0600
5:19:15	SL	SL	0600
5:19:15	SL	SL	0600
5:19:15	SL	SL	0600
5:19:15	SL	SL	0600

Client Sample Information - Identification

Phoenix Sample #	Customer Sample Identification	Date Sampled	Time Sampled
18951	Ansonia, CT	5/19/15	0600
18952	Bridgeport, CT - East	5/19/15	0600
18953	Bridgeport, CT - West	5/19/15	0600
18954	New Canaan, CT	5/19/15	0600
18955	Norwalk, CT	5/19/15	0600

Matrix Code	Drinking water	Surface water	SL - sludge	Soil	Air	Other
GW-groundwater						
SL-sludge						
Soil						
Air						
Other						

Requisition #: _____ Accepted by: _____ Date: _____ Time: _____

Turnaround: 1 Day 2 Days 3 Days Standard Other

Comments, Special Requirements or Regulations:
 Please issue results in separate reports.
 Please turnaround ASAP.

Comments: Special Requirements or Regulations:
 Please issue results in separate reports.
 Please turnaround ASAP.

State where samples were collected: CT

LOCATION CODE (SYN-NH) _____

M3

~~SYNAGRO~~

~~Seton 5-2015~~



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

Draft Progress Report

May 20, 2015

FOR: Attn: Mr. Mike Madden
SYNAGRO (NHRLP)
345 East Shore Parkway
New Haven, CT 06512

Sample Information

Matrix: SLUDGE
Location Code: SYN-NH
Rush Request: 24 Hour
P.O.#:

Custody Information

Collected by: MM
Received by: LB
Analyzed by: see "By" below

Date

05/19/15
05/19/15

Time

6:00
16:38

Laboratory Data

SDG ID: GBJ18951
Phoenix ID: BJ18951

Project ID: LIQUID SLUDGE TESTING
Client ID: ~~XXXXXXXXXX~~

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Selenium	5.0	1.3	mg/Kg	1	05/20/15	LK	SW6010C
Total Solids @ 104C	4.44	0.1	%	1	05/20/15	KH/KDB	SM2540B-97
pH - Sludge	5.05	0.10	pH Units	1	05/19/15 20:10	DH/KDB	SW9045
Total Metals Digest	Completed				05/19/15	CB/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-tir

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
May 20, 2015

Wednesday, May 20, 2015

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBJ18951 - SYN-NH

SampNo	Acode	Phoenix Analyte	Criteria	Result	R
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*** No Data to Display ***

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CHAIN OF CUSTODY RECORD

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

Client Services (860) 645-8726

Temp _____ Pg _____ of _____
 Date Delivery: _____
 Fax _____
 Email _____

Customer: SYNAGRO (N-TRLP) #SYNAGRO
 Address: 345 East Shore Parkway
 New Haven, CT 06512

Project: Liquid Sludge Testing
 Report to: Mike Madden
 Invoice to: Accounts Payable
 Project P.O.:
 Phone #: 203-469-0402
 Fax #: 203-469-0418

Client Sample Information - Identification
 Date: 5-19-15

Analysis Request
 Turnaround (Days) Requested

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
18901	Ansonia, CT	SL	5/19/15	0600
18902	Bridgewater, CT - East	SL	5/19/15	0800
18903	Bridgewater, CT - West	SL	5/19/15	0600
18904	New Canaan, CT	SL	5/19/15	0800
18905	Norwalk, CT	SL	5/19/15	0800

SL WAS Vials	SW Protection	SW Protection	SW Protection	SW Protection	SW Protection
1					
1					
1					
1					
1					

Matrix Codes: WWSW=sewage water S=soil/solid O=oil
 DW=drinking water SL=sludge A=air X=other

Required by: _____ Accepted by: _____
 Date: 5-19-15 Time: 2:00
 Date: 5/19/15 Time: 11:38

Turnaround:	CTUR:	MA:	Data Format:
<input checked="" type="checkbox"/> 1 Day	<input type="checkbox"/> RCP Cert	<input type="checkbox"/> MOC Certification	<input type="checkbox"/> Excel
<input type="checkbox"/> 2 Days	<input type="checkbox"/> GW Permit	<input type="checkbox"/> GW-1	<input type="checkbox"/> PDF
<input type="checkbox"/> 3 Days	<input type="checkbox"/> GA Mobility	<input type="checkbox"/> GW-2	<input type="checkbox"/> GIS/Key
<input type="checkbox"/> Standard	<input type="checkbox"/> GB Mobility	<input type="checkbox"/> GW-3	<input type="checkbox"/> EQJIS
<input type="checkbox"/> Other	<input type="checkbox"/> SW Protection	<input type="checkbox"/> S-1	<input type="checkbox"/> Other
	<input type="checkbox"/> Res. Vol.	<input type="checkbox"/> S-2	
	<input type="checkbox"/> Ind. Vol.	<input type="checkbox"/> S-3	
	<input type="checkbox"/> Reg Criteria	<input type="checkbox"/> M/MRA eSMART	
	<input type="checkbox"/> Other	<input type="checkbox"/> Other	

Comments, Special Requirements or Regulations:
 Please issue results in separate reports.
 Please turnaround ASAP.
 Thanks, Mike

State where samples were collected: CT

LOCATION CODE (SFR-INT)

48

SYNAGRO [Redacted]

Selenium 5-20-15



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

Draft Progress Report

May 20, 2015

FOR: Attn: Mr. Mike Madden
SYNAGRO (NHRLP)
345 East Shore Parkway
New Haven, CT 06512

Sample Information

Matrix: SLUDGE
Location Code: SYN-NH
Rush Request: 24 Hour
P.O.#:

Custody Information

Collected by: MM
Received by: LB
Analyzed by: see "By" below

Date

05/19/15
05/19/15

Time

6:00
16:38

Laboratory Data

SDG ID: GBJ18952
Phoenix ID: BJ18952

Project ID: LIQUID SLUDGE TESTING
Client ID: [Redacted] EAST

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Selenium	15.0	1.1	mg/Kg	1	05/20/15	LK	SW6010C
Total Solids @ 104C	4.98	0.1	%	1	05/20/15	KH/KDB	SM2540B-97
pH - Sludge	5.20	0.10	pH Units	1	05/19/15 20:10	DH/KDB	SW9045
Total Metals Digest	Completed				05/19/15	CB/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-tir

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
May 20, 2015

Wednesday, May 20, 2015

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBJ18952 - SYN-NH

SampNo	Acode	Phoenix Analyte	Criteria	Result	R
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*** No Data to Display ***

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CHAIN OF CUSTODY RECORD

597 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
 Email: info@phoenixlab.com Fax (860) 645-0823

Client Services (860) 645-8728

Temp PG 0
 DATA DELIVERY: By E-mail By Mail
 Email: rmmadden@phoenixlab.com

Customer: **SYNAGRO (NH-RLP)** #SYNAGRO
 Address: 345 East Shore Parkway
 New Haven, CT 06512

Project: Liquid Sludge Testing
 Report to: Mike Macdian
 Invoice to: Accounts Payable

Project P.O.:
 Phone #: 203-469-0402
 Fax #: 203-469-0418

Sampler's Signature: *Mike Macdian*
 Date: 5-19-12

Client Sample Information - Identification
 WWW-water/water S=soil/solid O=oil
 SL=sludge A=air X=other

Analysis Request
 (7) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30)

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
18951	Ansonia, CT	SL	5/18/15	0800	X
18952	Bridgport, CT - East	SL	5/18/15	0800	X
18953	Bridgport, CT - West	SL	5/18/15	0800	X
18954	New Canaan, CT	SL	5/18/15	0800	X
18955	Nonwalk, CT	SL	5/18/15	0800	X

Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code
WWW-water/water	S=soil/solid	O=oil	SL=sludge	A=air	X=other				

Requisitioned By: *Mike Macdian*
 Accepted By: *Mike Macdian*
 Date: 5-19-12
 Time: 2:00
 Signature: *Mike Macdian*
 Date: 5/19/15
 Time: 11:38

Comments, Special Requirements or Regulations:
 Please issue results in separate reports.
 Please turnaround ASAP.
 Thanks, Mike

State where samples were collected: **CT**

Matrix Code
 EPA
 RCP Chart
 GW Product
 GA Mobility
 GB Mobility
 SW Protection
 Res. Vol.
 Ind. Vol.
 Res. Criteria
 Other

Turnaround
 1 Day
 2 Days
 3 Days
 Standard
 Other

*** SURCHARGE APPLIES**

Matrix Code
 WTP Certification
 GW-1
 GW-2
 GW-3
 S-1
 S-2
 S-3
 MWRA eSMART
 Other

Data Format
 Excel
 PDF
 GISKey
 EQS
 Other

Data Package
 ASP-A
 NJ Reduced Daily
 NJ Hazmat EDD
 Phoenix Std Report
 Other

CLP-5-2014

M9



Northwest Environmental Water Labs, Inc.
450 Meriden Rd Waterbury, CT 06705
(203) 437-4110 FAX (203) 725-0501
LAB# CT-PH-0537 EPA-061
NELAP accredited quality system NY# 11826

Report of Analysis

Name: [Redacted]
Sample Date: 5/10/2014 7:00 AM
Receipt Date: 5/13/2014 11:15 AM
Report Date: 6/6/2014
Sample Site: [Redacted]

Sample ID#: 75833
Sample Type: Sludge
Sample Source: Sludge
Sampler: Tomothy Client
Approved By: Chris

Parameter	Sample Result	Units	Limits	MDL	Analysis Date	Analyst	Method
Inorganic Compounds							
Reactivity - Cyanide/Sulfide(1)	Negative	None	No Limit Set	0	5/19/2014	PHX	SW846-7
Metals							
Aluminum(1)	3810	mg/l	No Limit Set	0.01	5/15/2014	CD	SW846-6010
Arsenic(1)	ND	mg/kg	No Limit Set	4.1	5/15/2014	PHX	SW846-6010
Beryllium(1)	ND	mg/kg	No Limit Set	2	5/15/2014	PHX	SW6010
Cadmium(1)	3.0	mg/kg	No Limit Set	2	5/15/2014	PHX	SW846-6010
Chromium, Total(1)	23.6	mg/kg	No Limit Set	2	5/15/2014	PHX	SW846-6010
Copper(1)	395	mg/kg	No Limit Set	20	5/15/2014	PHX	SW7471
Cyanide (reactive)(1)	ND	mg/kg	No Limit Set	89	5/19/2014	PHX	SW846-7
Lead(1)	67.5	mg/kg	No Limit Set	2	5/15/2014	PHX	SW846-6010
Mercury(1)	0.57000	mg/kg	No Limit Set	0.14	5/15/2014	PHX	SW7471
Nickel(1)	44.1	mg/kg	No Limit Set	2	5/15/2014	PHX	SW6010
Zinc(1)	692	mg/kg	No Limit Set	20	5/15/2014	PHX	SW846-6010
Arsenic(TCLP)	ND	mg/l	No Limit Set	0.1	5/15/2014	PHX	SW846-6010
Barium(TCLP)	ND	mg/l	No Limit Set	0.1	5/15/2014	PHX	SW846-6010
Cadmium(TCLP)	ND	mg/l	No Limit Set	0.05	5/15/2014	PHX	SW846-6010
Chromium, Total(TCLP)	ND	mg/l	No Limit Set	0.1	5/15/2014	PHX	SW846-6010
Lead(TCLP)	ND	mg/l	No Limit Set	0.1	5/15/2014	PHX	SW846-6010
Mercury(TCLP)	ND	mg/l	No Limit Set	0.0002	5/15/2014	PHX	SW7471
Selenium(TCLP)	ND	mg/l	No Limit Set	0.1	5/15/2014	PHX	SW846-6010
Silver(TCLP)	ND	mg/l	No Limit Set	0.1	5/15/2014	PHX	SW846-6010
Miscellaneous/Other							
Ignitability(1)	Pass	F	No Limit Set	140	5/19/2014	PHX	SW846-7
Paint Filter Test(1)	Fail	None	No Limit Set		5/14/2014	PHX	SW846-9095
Sulfide (reactive)(1)	ND	mg/kg	No Limit Set	20	5/19/2014	PHX	SW846-7
Sulfur(1)	0.66	%	No Limit Set	0.1	5/19/2014	PHX	200.7
Nutrient							
Ammonia as N(1)	7720	mg/kg	No Limit Set	430	5/16/2014	PHX	350.1
Kjeldahl Nitrogen as N(1)	56000	mg/kg	No Limit Set	2100	5/16/2014	PHX	351.1
Nitrate as N(1)	<8.9	mg/kg	No Limit Set	8.9	5/15/2014	PHX	9056
Nitrite as N(1)	<1.8	mg/kg	No Limit Set	1.8	5/15/2014	PHX	9056

ND = Not Detected
+ = Out of Range
MDL = Minimum Detection Level

Results Certified by Northwest Environmental Labs Inc and are NELAP accredited for methods 9215B, 9221D, and ReadyCult coliforms only.

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.



Northwest Environmental Water Labs, Inc.
 450 Meriden Rd Waterbury, CT 06705
 (203) 437-4110 FAX (203) 725-0501
 LAB# CT-PH-0537 EPA-061
 NELAP accredited quality system NY# 11826

Report of Analysis

Name: [REDACTED]
 Sample Date: 5/10/2014 7:00 AM
 Receipt Date: 5/13/2014 11:15 AM
 Report Date: 6/6/2014
 Sample Site: [REDACTED]

Sample ID#: 75833
 Sample Type: Sludge
 Sample Source: Sludge
 Sampler: Tomothy Client
 Approved By: Chris

Parameter	Sample Result	Units	Limits	MDL	Analysis Date	Analyst	Method
Nutrient							
Total Nitrogen as N(1)	56000	mg/kg	No Limit Set	0.25	5/16/2014	PHX	CALCTN
Total Phosphorus(1)	7570	mg/kg	No Limit Set	220	5/16/2014	PHX	SM4500P
Organic Compounds							
Total Petroleum Hydrocarbons(1)	40000 +	mg/kg	0	13000	5/17/2014	PHX	8015M (C9-C36)
Physical							
Corrosivity(1)	Negative	None	No Limit Set	1	5/14/2014	PHX	SW846-7
Fixed Solids(1)	22.6	%	No Limit Set	0.1	5/16/2014	PHX	160.4
Flashpoint(1)	>200	F	No Limit Set	200	5/15/2014	PHX	SW846-1010
PH(1)	5.78	SPH	No Limit Set	0	5/19/2014	CD	9045
Total Solids(1)	5.62	%	No Limit Set	0.1	5/16/2014	PHX	160.3
Total Solids(1)	5.62	%	No Limit Set	0.1	5/16/2014	PHX	160.3
Volatile Solids(1)	77.4	%	No Limit Set	0.1	5/16/2014	PHX	SM2540E
Synthetic Organic Compounds							
PCB-1016(1)	ND	ug/kg	No Limit Set	540	5/16/2014	CD	SW 8082
PCB-1221(1)	ND	ug/kg	No Limit Set	540	5/16/2014	CD	SW 8082
PCB-1232(1)	ND	ug/kg	No Limit Set	540	5/16/2014	CD	SW 8082
PCB-1242(1)	ND	ug/kg	No Limit Set	540	5/16/2014	CD	SW 8082
PCB-1248(1)	ND	ug/kg	No Limit Set	540	5/16/2014	CD	SW 8082
PCB-1254(1)	ND	ug/kg	No Limit Set	540	5/16/2014	CD	SW 8082
PCB-1260(1)	ND	ug/kg	No Limit Set	540	5/16/2014	CD	SW 8082
PCB-1262(1)	ND	ug/kg	No Limit Set	540	5/16/2014	CD	SW 8082
PCB-1268(1)	ND	ug/kg	No Limit Set	540	5/16/2014	CD	SW 8082
Volatile Organic Compounds							
1,1 Dichlorethylene(1)	ND	ug/l	No Limit Set	100	5/16/2014	PHX	SW-846-8260
1,2 Dichlorethane(1)	ND	ug/l	No Limit Set	100	5/16/2014	PHX	SW-846-8260
1,4 Dichlorobenzene(1)	ND	ug/l	No Limit Set	100	5/16/2014	PHX	SW846-8270
2,4 Dinitrotoluene(1)	ND	ug/l	No Limit Set	83	5/16/2014	PHX	SW846-8270
2,4,5 Trichlorophenol(1)	ND	ug/l	No Limit Set	83	5/16/2014	PHX	SW846-8270
2,4,5,-TP Silvex(1)	ND	ug/l	No Limit Set	4.2	5/16/2014	PHX	SW846-8151
2,4,6 Trichlorophenol(1)	ND	ug/l	No Limit Set	83	5/16/2014	PHX	SW846-8270

ND = Not Detected
 + = Out of Range
 MDL = Minimum Detection Level

Results Certified by Northwest Environmental Labs Inc and are NELAP accredited for methods 9215B, 9221D, and ReadyCult coliforms only.

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.



Northwest Environmental Water Labs, Inc.
450 Meriden Rd Waterbury, CT 06705
(203) 437-4110 FAX (203) 725-0501
LAB# CT-PH-0537 EPA-061
NELAP accredited quality system NY# 11826

Report of Analysis

Name: [REDACTED]

Sample ID#: 75833
Sample Type: Sludge
Sample Source: Sludge
Sampler: Tomothy Client
Approved By: Chris

Sample Date: 5/10/2014 7:00 AM
Receipt Date: 5/13/2014 11:15 AM
Report Date: 6/6/2014
Sample Site: [REDACTED]

Parameter	Sample Result	Units	Limits	MDL	Analysis Date	Analyst	Method
Volatile Organic Compounds							
2,4,-D(1)	ND	ug/l	No Limit Set	4.2	5/16/2014	PHX	SW846-8151
4, 4' - DDD(1)	ND	ug/l	No Limit Set	1	5/17/2014	PHX	SW846-8081
4, 4' - DDE(1)	ND	ug/l	No Limit Set	1	5/17/2014	PHX	SW846-8081
4, 4' - DDT(1)	ND	ug/l	No Limit Set	1	5/17/2014	PHX	SW846-8081
a-BHC(1)	ND	ug/l	No Limit Set	0.5	5/17/2014	PHX	SW846-8081
Alachlor(1)	ND	ug/l	No Limit Set	0.5	5/17/2014	PHX	SW846-8081
Aldrin(1)	ND	ug/l	No Limit Set	0.5	5/17/2014	PHX	SW846-8081
b-BHC(1)	ND	ug/l	No Limit Set	0.5	5/17/2014	PHX	SW846-8081
Benzene(1)	ND	ug/l	No Limit Set	100	5/16/2014	PHX	SW-846-8260
Carbon Tetrachloride(1)	ND	ug/l	No Limit Set	100	5/16/2014	PHX	SW-846-8260
Chlordane(1)	ND	ug/l	No Limit Set	3	5/17/2014	PHX	SW846-8081
Chlorobenzene(1)	ND	ug/l	No Limit Set	100	5/16/2014	PHX	SW-846-8260
Chloroform(1)	ND	ug/l	No Limit Set	100	5/16/2014	PHX	SW-846-8260
d-BHC(1)	ND	ug/l	No Limit Set	0.5	5/17/2014	PHX	SW846-8081
Dieldrin(1)	ND	ug/l	No Limit Set	1	5/17/2014	PHX	SW846-8081
Endosulfan I(1)	ND	ug/l	No Limit Set	0.5	5/17/2014	PHX	SW846-8081
Endosulfan II(1)	ND	ug/l	No Limit Set	0.5	5/17/2014	PHX	SW846-8081
Endosulfan Sulfate(1)	ND	ug/l	No Limit Set	1	5/17/2014	PHX	SW846-8081
Endrin(1)	ND	ug/l	No Limit Set	0.2	5/17/2014	PHX	SW846-8081
Endrin Aldehyde(1)	ND	ug/l	No Limit Set	1	5/17/2014	PHX	SW846-8081
Heptachlor(1)	ND	ug/l	No Limit Set	0.2	5/17/2014	PHX	SW846-8081
Heptachlor Epoxide(1)	ND	ug/l	No Limit Set	0.2	5/17/2014	PHX	SW846-8081
Hexachlorethane(1)	ND	ug/l	No Limit Set	83	5/16/2014	PHX	SW846-8270
Hexachlorobenzene(1)	ND	ug/l	No Limit Set	83	5/16/2014	PHX	SW846-8270
Hexachlorobutadiene(1)	ND	ug/l	No Limit Set	83	5/16/2014	PHX	SW846-8270
Liudane(1)	ND	ug/l	No Limit Set	0.2	5/17/2014	PHX	SW846-8081
M&P Cresol(1)	400	ug/l	No Limit Set	83	5/16/2014	PHX	SW846-8270
Methoxychlor(1)	ND	ug/l	No Limit Set	2	5/17/2014	PHX	SW846-8081
Methyl ethyl ketone(1)	190	ug/l	No Limit Set	2500	5/16/2014	PHX	SW-846-8260
Nitrobenzene(1)	ND	ug/l	No Limit Set	83	5/16/2014	PHX	SW846-8270
O-Cresol(1)	ND	ug/l	No Limit Set	83	5/16/2014	PHX	SW846-8270

ND = Not Detected
+ = Out of Range
MDL = Minimum Detection Level

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Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.



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LAB# CT-PH-0537 EPA-061
NELAP accredited quality system NY# 11826

Report of Analysis

Name: [REDACTED]

Sample ID#: 75833
Sample Type: Sludge
Sample Source: Sludge
Sampler: Tomothy Client
Approved By: Chris

Sample Date: 5/10/2014 7:00 AM
Receipt Date: 5/13/2014 11:15 AM
Report Date: 6/6/2014
Sample Site: [REDACTED]

Parameter	Sample Result	Units	Limits	MDL	Analysis Date	Analyst	Method
Volatle Organic Compounds							
Pentachlorophenol(1)	ND	ug/l	No Limit Set	83	5/16/2014	PHX	SW846-8270
Pyridine(1)	ND	ug/l	No Limit Set	83	5/16/2014	PHX	SW846-8270
Tetrachloroethylene(1)	ND	ug/l	No Limit Set	2	5/16/2014	PHX	SW-846-8260
Toxaphene(1)	ND	ug/l	No Limit Set	10	5/17/2014	PHX	SW846-8081
Trichloroethene(1)	ND	ug/l	No Limit Set	100	5/16/2014	PHX	SW-846-8260
Vinyl Chloride(1)	ND	ug/l	No Limit Set	100	5/16/2014	PHX	SW-846-8260

PHX = Phoenix Environmental Laboratories, Inc. (Sub - Contractor)

ND = Not Detected
+ = Out of Range
MDL = Minimum Detection Level

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Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.

M6



Wednesday, March 11, 2015

Attn: Mr. Mike Madden
SYNAGRO (NHRLP)
345 East Shore Parkway
New Haven, CT 06512

Project ID: NPDES
Sample ID#s: BH79279

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

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

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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 cursive script that reads "Phyllis Shiller".

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 11, 2015

FOR: Attn: Mr. Mike Madden
 SYNAGRO (NHRLP)
 345 East Shore Parkway
 New Haven, CT 06512

Sample Information

Matrix: SLUDGE
 Location Code: SYN-NH
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by: MM
 Received by: LB
 Analyzed by: see "By" below

Date Time

03/03/15 8:00
 03/04/15 15:17

Laboratory Data

SDG ID: GBH79279
 Phoenix ID: BH79279

Project ID: NPDES

Client ID: [REDACTED]

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	< 2.9	2.9	mg/Kg	03/05/15	EK	SW6010C
Beryllium	< 1.4	1.4	mg/Kg	03/05/15	EK	SW6010C
Cadmium	< 1.4	1.4	mg/Kg	03/05/15	EK	SW6010C
Chromium	17.5	1.4	mg/Kg	03/05/15	EK	SW6010C
Copper	583	14	mg/Kg	03/05/15	EK	SW6010C
Mercury	0.76	0.11	mg/kg	03/05/15	M/R	SW7471B
Nickel	15.8	1.4	mg/Kg	03/05/15	EK	SW6010C
Lead	28.3	1.4	mg/Kg	03/05/15	EK	SW6010C
Zinc	755	14	mg/Kg	03/05/15	EK	SW6010C
Percent Solid	6.52	1	%			SW846-%Solid
Total Solids @ 104C	6.52	0.1	%	03/05/15	KH	SM2540B-97
Fixed Solids @ 500C	10.3	0.1	%	03/05/15	KH	E160.4
pH - Sludge	5.77	0.10	pH Units	03/04/15 20:00	DH/KDB	SW9045
Volatile Solids @ 500C	89.7	0.1	%	03/05/15	KH	SM2540E/E160.4
Mercury Digestion	Completed			03/05/15	I/I	SW7471B
Sludge Ext. for PCB	Completed			03/05/15	M/M	SW3550C
Total Metals Digest	Completed			03/04/15	CB/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	1500	ug/Kg	03/06/15	AW	SW8082A
PCB-1221	ND	1500	ug/Kg	03/06/15	AW	SW8082A
PCB-1232	ND	1500	ug/Kg	03/06/15	AW	SW8082A
PCB-1242	ND	1500	ug/Kg	03/06/15	AW	SW8082A
PCB-1248	ND	1500	ug/Kg	03/06/15	AW	SW8082A
PCB-1254	ND	1500	ug/Kg	03/06/15	AW	SW8082A
PCB-1260	ND	1500	ug/Kg	03/06/15	AW	SW8082A
PCB-1262	ND	1500	ug/Kg	03/06/15	AW	SW8082A
PCB-1268	ND	1500	ug/Kg	03/06/15	AW	SW8082A

Project ID: NPDES

Phoenix I.D.: BH79279

Client ID: [REDACTED]

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
<u>QA/QC Surrogates</u>						
% DCBP	132		%	03/06/15	AW	30 - 150 %
% TCMX	96		%	03/06/15	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

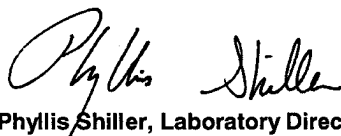
Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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



Phyllis Shiller, Laboratory Director

March 11, 2015

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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 11, 2015

QA/QC Data

SDG I.D.: GBH79279

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 300784, QC Sample No: BH79120 (BH79279)												
<u>ICP Metals - Soil</u>												
Arsenic	BRL	2.6	3.50	NC	109	109	0.0	97.2	96.9	0.3	75 - 125	30
Beryllium	BRL	0.63	0.59	NC	107	106	0.9	96.0	95.2	0.8	75 - 125	30
Cadmium	BRL	<0.43	<0.41	NC	103	103	0.0	102	101	1.0	75 - 125	30
Chromium	BRL	17.9	16.8	6.30	121	120	0.8	109	108	0.9	75 - 125	30
Copper	BRL	20.9	24.1	14.2	110	112	1.8	115	113	1.8	75 - 125	30
Lead	BRL	16.2	17.9	10.0	105	105	0.0	99.1	99.4	0.3	75 - 125	30
Nickel	BRL	14.7	15.8	7.20	117	117	0.0	106	105	0.9	75 - 125	30
Zinc	BRL	42.1	45.6	8.00	105	105	0.0	109	107	1.9	75 - 125	30
QA/QC Batch 300816, QC Sample No: BH79341 (BH79279)												
Mercury - Soil	BRL	0.19	0.22	14.6	97.8	92.7	5.4	101	95.0	6.1	70 - 130	30

Comment:

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



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QA/QC Report

March 11, 2015

QA/QC Data

SDG I.D.: GBH79279

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 300826, QC Sample No: BH78634 (BH79279)												
Total Solids	BRL	19.3	19.3	0	100						85 - 115	30
QA/QC Batch 300817, QC Sample No: BH79277 (BH79279)												
pH - Soil		10.93	10.89	0.40	99.0						85 - 115	20



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QA/QC Report

March 11, 2015

QA/QC Data

SDG I.D.: GBH79279


Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 300430, QC Sample No: BH77604 (BH79279)									
Polychlorinated Biphenyls - Sludge									
PCB-1016	ND	67	66	1.5				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	82	78	5.0				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	87	91	81	11.6				30 - 150	30
% TCMX (Surrogate Rec)	72	74	66	11.4				30 - 150	30

Comment:

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

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
- Intf - Interference


 Phyllis Shiller, Laboratory Director
 March 11, 2015

Wednesday, March 11, 2015

Sample Criteria Exceedences Report

GBH79279 - SYN-NH

Page 1 of 1

Criteria: None

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

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.

Temp 6 Pg of

Data Delivery: Fax #: Email:

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

CHAIN OF CUSTODY RECORD



Customer: SYNAGRO (NHRLP)

Address: 345 East Shore Parkway
New Haven, CT 06512

Project: NPDES

Report to: Mike Madden

Invoice to: Accounts Payable

Project P.O.:

Phone #: 203-469-0402

Fax #: 203-469-0418

Sampler's Signature: Mike Madden
Client Sample - Information - Identification
Date: 3-3-15

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

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
B220	[REDACTED] 2015 NPDES	SL	3/3/15	0800

Analysis Request	Total Kj (As)	Total Pb (As)	Total Cu (As)	Total Cd (As)	Total Ni (As)	Total Mn (As)	Total Zn (As)	Soil (% Excl. Top 10cm)	Soil (% Excl. Top 10cm)
Soil VOA Vial [Inertrol] [Seal Broken]									
GL Soil Container (6x) (oz)									
GL Amber 100ml [As Is] [HCL]									
GL Amber 100ml [As Is] [HCL]									
GL Amber 100ml [As Is] [HCL]									
40 ml VOA Vial (16) (oz)									
PL H2SO4 [250ml] [As Is] [H2SO4]									
PL HNO3 250ml									
PL HNO3 250ml									
Bacteria Bottle									

Relinquished by: Mike Madden
Accepted by: [Signature]
Date: 3/4/15 12:20
3/4/15 15:17

Comments, Special Requirements or Regulations:

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

CT/RI: RCP Cert GW Protect GA Mobility GB Mobility SW Protection Res. Vol. Ind. Vol. Res. Criteria Other

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

Data Format: Excel PDF GIS/Key EQUIS Other

Data Package: ASP-A NJ Reduced Deliv. NJ Hazsite EDD Phoenix Std Report Other

State where samples were collected: CT

LOCATION CODE (SYN-NH)



M8

Northwest Environmental Water Labs, Inc.
 450 Meriden Rd Waterbury, CT 06705
 (203) 437-4110 FAX (203) 725-0501
 LAB# CT-PH-0537 EPA-061
 NELAP accredited quality system NY# 11826

Report of Analysis

Name: [Redacted] Sample ID#: 75677
 [Redacted] Sample Type: Sludge
 [Redacted] Sample Source: Sludge
 [Redacted] Sampler: Carlos Client
 [Redacted] Approved By: Chris

Sample Date: 5/6/2014 7:00 AM
 Receipt Date: 5/6/2014 11:25 AM
 Report Date: 6/6/2014
 Sample Site: [Redacted]

Synagro

Parameter	Sample Result	Units	Limits	MDL	Analysis Date	Analyst	Method
Inorganic Compounds							
Reactivity - Cyanide/Sulfide(1)	Negative	None	No Limit Set	0	5/8/2014	PHX	SW846-7
Metals							
Aluminum(1)	4250	mg/kg	No Limit Set	0.01	5/8/2014	PHX	SW846-6010
Arsenic(1)	<5.2	mg/kg	No Limit Set	5.2	5/8/2014	PHX	SW846-6010
Beryllium(1)	<2.6	mg/kg	No Limit Set	2.6	5/8/2014	PHX	SW6010
Cadmium(1)	8.8	mg/kg	No Limit Set	2.6	5/8/2014	PHX	SW846-6010
Chromium, Total(1)	99.8	mg/kg	No Limit Set	2.6	5/8/2014	PHX	SW846-6010
Copper(1)	327	mg/kg	No Limit Set	2.6	5/8/2014	PHX	SW7471
Cyanide (reactive)(1)	<100	mg/kg	No Limit Set	100	5/8/2014	PHX	SW846-7
Lead(1)	81.4	mg/kg	No Limit Set	2.6	5/8/2014	PHX	SW846-6010
Mercury(1)	<0.73	mg/kg	No Limit Set	0.73	5/8/2014	PHX	SW7471
Nickel(1)	38.7	mg/kg	No Limit Set	2.6	5/8/2014	PHX	SW6010
Zinc(1)	600	mg/kg	No Limit Set	2.6	5/8/2014	PHX	SW846-6010
Arsenic(TCLP)	<0.10	mg/kg	No Limit Set	0.1	5/9/2014	PHX	SW846-6010
Barium(TCLP)	<0.10	mg/kg	No Limit Set	0.1	5/9/2014	PHX	SW846-6010
Cadmium(TCLP)	<0.050	mg/kg	No Limit Set	0.05	5/9/2014	PHX	SW846-6010
Chromium, Total(TCLP)	<0.10	mg/kg	No Limit Set	0.1	5/9/2014	PHX	SW846-6010
Lead(TCLP)	<0.10	mg/kg	No Limit Set	0.1	5/9/2014	PHX	SW846-6010
Mercury(TCLP)	<0.0002	mg/kg	No Limit Set	0.0002	5/9/2014	PHX	SW7471
Selenium(TCLP)	<0.10	mg/kg	No Limit Set	0.1	5/9/2014	PHX	SW846-6010
Silver(TCLP)	<0.10	mg/l	No Limit Set	0.1	5/9/2014	PHX	SW846-6010
Miscellaneous/Other							
Ignitability(1)	Pass	F	No Limit Set	140	5/8/2014	PHX	SW846-7
Paint Filter Test(1)	Fail	None	No Limit Set		6/6/2014	PHX	SW846-9095
Sulfide (reactive)(1)	<20	mg/kg	No Limit Set	20	5/8/2014	PHX	SW846-7
Sulfur(1)	0.79	%	No Limit Set	0.1	5/9/2014	PHX	200.7
Nutrient							
Ammonia as N(1)	7320	mg/kg	No Limit Set	1000	5/9/2014	PHX	350.1
Kjeldahl Nitrogen as N(1)	31000	mg/kg	No Limit Set	5100	5/9/2014	PHX	351.1
Nitrate as N(1)	<11	mg/kg	No Limit Set	11	5/8/2014	PHX	9056
Nitrite as N(1)	2.77	mg/kg	No Limit Set	2.2	5/8/2014	PHX	9056

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 += Out of Range
 MDL = Minimum Detection Level

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 450 Meriden Rd Waterbury, CT 06705
 (203) 437-4110 FAX (203) 725-0501
 LAB# CT-PH-0537 EPA-061
 NELAP accredited quality system NY# 11826

Report of Analysis

Name: [REDACTED] Sample ID#: 75677
 [REDACTED] Sample Type: Sludge
 [REDACTED] Sample Source: Sludge
 [REDACTED] Sampler: Carlos Client
 Sample Date: 5/6/2014 7:00 AM Approved By: Chris
 Receipt Date: 5/6/2014 11:25 AM
 Report Date: 6/6/2014
 Sample Site: [REDACTED]

Parameter	Sample Result	Units	Limits	MDL	Analysis Date	Analyst	Method
Nutrient							
Total Nitrogen as N(1)	31003	mg/kg	No Limit Set	0.25	5/9/2014	PHX	CALCTN
Total Phosphorus(1)	8950	mg/kg	No Limit Set	280	5/8/2014	PHX	SM4500P
Organic Compounds							
Total Petroleum Hydrocarbons(1)	66000 +	mg/kg	0	16000	5/10/2014	PHX	8015M (C9-C36)
Physical							
Corrosivity(1)	Negative	None	No Limit Set	1	5/8/2014	PHX	SW846-7
Fixed Solids(1)	20.3	%	No Limit Set	0.1	5/7/2014	PHX	160.4
Flashpoint(1)	>200	F	No Limit Set	200	5/8/2014	PHX	SW846-1010
PH(1)	5.29	SPH	No Limit Set	0	5/8/2014	CD	9045
Total Solids(1)	4.47	%	No Limit Set	0.1	5/7/2014	PHX	160.3
Total Solids(1)	4.47	%	No Limit Set	0.1	5/7/2014	PHX	160.3
Volatile Solids(1)	79.7	%	No Limit Set	0.1	5/8/2014	PHX	SM2540E
Synthetic Organic Compounds							
PCB-1016(1)	ND	ug/kg	No Limit Set	2000	5/14/2014	CD	SW 8082
PCB-1221(1)	ND	ug/kg	No Limit Set	2000	5/14/2014	CD	SW 8082
PCB-1232(1)	ND	ug/kg	No Limit Set	2000	5/14/2014	CD	SW 8082
PCB-1242(1)	ND	ug/kg	No Limit Set	2000	5/14/2014	CD	SW 8082
PCB-1248(1)	ND	ug/kg	No Limit Set	2000	5/14/2014	CD	SW 8082
PCB-1254(1)	ND	ug/kg	No Limit Set	2000	5/14/2014	CD	SW 8082
PCB-1260(1)	ND	ug/kg	No Limit Set	2000	5/14/2014	CD	SW 8082
PCB-1262(1)	ND	ug/kg	No Limit Set	2000	5/14/2014	CD	SW 8082
PCB-1268(1)	ND	ug/kg	No Limit Set	2000	5/14/2014	CD	SW 8082
Volatle Organic Compounds							
1,1 Dichloroethylene(1)	ND	ug/l	No Limit Set	10	5/12/2014	PHX	SW-846-8260
1,2 Dichloroethane(1)	ND	ug/l	No Limit Set	10	5/12/2014	PHX	SW-846-8260
1,4 Dichlorobenzene(1)	ND	ug/l	No Limit Set	83	5/9/2014	PHX	SW846-8270
2,4 Dinitrotoluene(1)	ND	ug/l	No Limit Set	83	5/9/2014	PHX	SW846-8270
2,4,5 Trichlorophenol(1)	ND	ug/l	No Limit Set	83	5/9/2014	PHX	SW846-8270
2,4,5,-TP Silvex(1)	ND	ug/l	No Limit Set	4.2	5/9/2014	PHX	SW846-8151
2,4,6 Trichlorophenol(1)	ND	ug/l	No Limit Set	83	5/9/2014	PHX	SW846-8270

ND = Not Detected
 += Out of Range
 MDL = Minimum Detection Level

Results Certified by Northwest Enviromental Labs Inc and are NELAP accredited for methods 9215B, 9221D, and Readycult coliforms only.

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.



Northwest Environmental Water Labs, Inc.
450 Meriden Rd Waterbury, CT 06705
(203) 437-4110 FAX (203) 725-0501
LAB# CT-PH-0537 EPA-061
NELAP accredited quality system NY# 11826

Report of Analysis

Name: [REDACTED] Sample ID#: 75677
[REDACTED] Sample Type: Sludge
[REDACTED] Sample Source: Sludge
[REDACTED] Sampler: Carlos Client
Sample Date: 5/6/2014 7:00 AM Approved By: Chris
Receipt Date: 5/6/2014 11:25 AM
Report Date: 6/6/2014
Sample Site: [REDACTED]

Parameter	Sample Result	Units	Limits	MDL	Analysis Date	Analyst	Method
Volatile Organic Compounds							
2,4,-D(1)	ND	ug/l	No Limit Set	4.2	5/9/2014	PHX	SW846-8151
4, 4' - DDD(1)	ND	ug/l	No Limit Set	1	5/10/2014	PHX	SW846-8081
4, 4' - DDE(1)	ND	ug/l	No Limit Set	1	5/10/2014	PHX	SW846-8081
4, 4' - DDT(1)	ND	ug/l	No Limit Set	1	5/10/2014	PHX	SW846-8081
a-BHC(1)	ND	ug/l	No Limit Set	0.5	5/10/2014	PHX	SW846-8081
Alachlor(1)	ND	ug/l	No Limit Set	0.5	5/10/2014	PHX	SW846-8081
Aldrin(1)	ND	ug/l	No Limit Set	0.5	5/10/2014	PHX	SW846-8081
b-BHC(1)	ND	ug/l	No Limit Set	0.5	5/10/2014	PHX	SW846-8081
Benzene(1)	ND	ug/l	No Limit Set	10	5/12/2014	PHX	SW-846-8260
Carbon Tetrachloride(1)	ND	ug/l	No Limit Set	10	5/12/2014	PHX	SW-846-8260
Chlordane(1)	ND	ug/l	No Limit Set	3	5/10/2014	PHX	SW846-8081
Chlorobenzene(1)	ND	ug/l	No Limit Set	10	5/12/2014	PHX	SW-846-8260
Chloroform(1)	ND	ug/l	No Limit Set	10	5/12/2014	PHX	SW-846-8260
d-BHC(1)	ND	ug/l	No Limit Set	0.5	5/10/2014	PHX	SW846-8081
Dieldrin(1)	ND	ug/l	No Limit Set	1	5/10/2014	PHX	SW846-8081
Endosulfan I(1)	ND	ug/l	No Limit Set	0.5	5/10/2014	PHX	SW846-8081
Endosulfan II(1)	ND	ug/l	No Limit Set	0.5	5/10/2014	PHX	SW846-8081
Endosulfan Sulfate(1)	ND	ug/l	No Limit Set	1	5/10/2014	PHX	SW846-8081
Endrin(1)	ND	ug/l	No Limit Set	0.2	5/10/2014	PHX	SW846-8081
Endrin Aldehyde(1)	ND	ug/l	No Limit Set	1	5/10/2014	PHX	SW846-8081
Heptachlor(1)	ND	ug/l	No Limit Set	0.2	5/10/2014	PHX	SW846-8081
Heptachlor Epoxide(1)	ND	ug/l	No Limit Set	0.2	5/10/2014	PHX	SW846-8081
Hexachlorethane(1)	ND	ug/l	No Limit Set	83	5/9/2014	PHX	SW846-8270
Hexachlorobenzene(1)	ND	ug/l	No Limit Set	83	5/9/2014	PHX	SW846-8270
Hexachlorobutadiene(1)	ND	ug/l	No Limit Set	83	5/9/2014	PHX	SW846-8270
Lindane(1)	ND	ug/l	No Limit Set	0.2	5/10/2014	PHX	SW846-8081
M&P Cresol(1)	240	ug/l	No Limit Set	83	5/9/2014	PHX	SW846-8270
Methoxychlor(1)	ND	ug/l	No Limit Set	2	5/10/2014	PHX	SW846-8081
Methyl ethyl ketone(1)	14	ug/l	No Limit Set	10	5/12/2014	PHX	SW-846-8260
Nitrobenzene(1)	ND	ug/l	No Limit Set	83	5/9/2014	PHX	SW846-8270
O-Cresol(1)	ND	ug/l	No Limit Set	83	5/9/2014	PHX	SW846-8270

ND = Not Detected
+ = Out of Range
MDL = Minimum Detection Level

Results Certified by Northwest Environmental Labs Inc and are NELAP accredited for methods 9215B, 9221D, and ReadyCult coliforms only.

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.



Northwest Environmental Water Labs, Inc.
450 Meriden Rd Waterbury, CT 06705
(203) 437-4110 FAX (203) 725-0501
LAB# CT-PH-0537 EPA-061
NELAP accredited quality system NY# 11826

Report of Analysis

Name: [REDACTED] Sample ID#: 75677
[REDACTED] Sample Type: Sludge
[REDACTED] Sample Source: Sludge
[REDACTED] Sampler: Carlos Client
Sample Date: 5/6/2014 7:00 AM Approved By: Chris
Receipt Date: 5/6/2014 11:25 AM
Report Date: 6/6/2014
Sample Site: [REDACTED]

Parameter	Sample Result	Units	Limits	MDL	Analysis Date	Analyst	Method
Volatile Organic Compounds							
Pentachlorophenol(1)	ND	ug/l	No Limit Set	83	5/9/2014	PHX	SW846-8270
Pyridine(1)	ND	ug/l	No Limit Set	83	5/9/2014	PHX	SW846-8270
Tetrachloroethylene(1)	ND	ug/l	No Limit Set	10	5/12/2014	PHX	SW-846-8260
Toxaphene(1)	ND	ug/l	No Limit Set	0.5	5/10/2014	PHX	SW846-8081
Trichloroethene(1)	ND	ug/l	No Limit Set	10	5/12/2014	PHX	SW-846-8260
Vinyl Chloride(1)	ND	ug/l	No Limit Set	10	5/12/2014	PHX	SW-846-8260

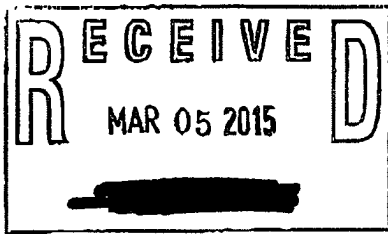
PHX = Phoenix Environmental Laboratories, Inc. (Sub - Contractor)

ND = Not Detected
+ = Out of Range
MDL = Minimum Detection Level

Results Certified by Northwest Environmental Labs Inc and are NELAP accredited for methods 9215B, 9221D, and ReadyCult coliforms only.

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.

M17



Report Date..... 3-Mar-15
EML Project ID..... 150204-EWN-C
Your Project ID..... Annual Synagro
Testing

Date Sampled..... 4-Feb-15
Date Submitted..... 4-Feb-15



Attn: Mr. Konrad Karolczuk

Results in mg/kg unless otherwise noted.
ND = Not Detected. NR = Not Required.

MASS ANALYSIS

Parameter	Det Limit	Results
Aluminum	<0.2	1433.
Arsenic	<0.2	0.47
Beryllium	<0.2	ND
Cadmium	<0.1	1.72
Chromium	<0.2	8.51
Copper	<0.2	312.
Lead	<0.5	37.18
Mercury	<0.02	0.16
Nickel	<0.2	25.67
Zinc	<0.2	291.
Polychlorinated biphenyls (PCBs)	<1	ND

Tab TC: M4-mto2

Technical Reviewer:

Title:

Transcript Reviewer:

Title:



ENVIRONMENTAL MONITORING LABORATORY, INC.

Report Date..... 3-Mar-15
 EML Project ID.. 150204-EWN-C
 Your Project ID.. Annual Synagro
 Testing

Date Sampled... 4-Feb-15
 Date Submitted..... 4-Feb-15

~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXXXX~~

Attn: Mr. Konrad Karolczuk

Results in mg/L unless otherwise noted,
 ND = Not Detected. NR = Not Required.

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Compound	Det.Limit	Results
Subpart E: Herbicides Pollutant		
2,4-D	<1	ND
2,4,5-D (Silvex)	<0.1	ND
Subpart E: GCMS Pesticides Pollutant		
Endrin	<0.001	ND
Heptachlor epoxide	<0.001	ND
Lindane	<0.005	ND
Methoxychlor	<0.05	ND
Toxaphene	<0.05	ND
Chlordane	<0.03	ND
Heptachlor	<0.001	ND

Tab:TCLP-post

Technical Reviewer: *[Signature]*
 Transcript Reviewer: *[Signature]*

Title: *AGM*
 Title: *[Signature]*



Report Date..... 3-Mar-15
EML Project ID.. 150204-EWN-C
Your Project ID.. Quarterly
Sludge

Date Sampled.... 4-Feb-15
Date Submitted.. 4-Feb-15



Attn: Mr. Konrad Karolczuk

ND = Not Detected.

Parameter	Results	Det. Limit	Units
pH	7.0		S.U.
Total Solids	5.18	—	% w/w
Fixed Solids	22.94	—	% w/w
Volatile Solids	77.06	—	% w/w
Arsenic	0.47	<0.2	mg/Kg
Beryllium	ND	<0.2	mg/Kg
Cadmium	1.72	<0.1	mg/Kg
Chromium	8.51	<0.2	mg/Kg
Copper	312.	<0.2	mg/Kg
Lead	37.18	<0.5	mg/Kg
Mercury	0.16	<0.02	mg/Kg
Nickel	25.67	<0.2	mg/Kg
Zinc	291.	<0.2	mg/Kg
Polychlorinated biphenyls* (PCBs)	ND	<1	mg/Kg

Tab: EWN

Technical Reviewer: [Signature]
Transcript Reviewer: [Signature]

Title: [Signature]
Title: [Signature]



ENVIRONMENTAL MONITORING LABORATORY, INC.

Report Date..... 3-Mar-15
 EML Project ID..... 151204-EWN-C
 Your Project ID..... Quarterly
 Synagro Sludge

Date Sampled..... 4-Feb-15
 Date Submitted..... 4-Feb-15

[REDACTED]

ND = Not Detected.

Parameter	Results	Det. Limit	Units
Aluminum	1433.	<0.2	mg/Kg
Phosphorus as P	13635.	<0.5	mg/Kg

125 812

Technical Reviewer: [Signature] Title: [Signature]
 Transcript Reviewer: [Signature] Title: [Signature]



ENVIRONMENTAL MONITORING LABORATORY, INC.

Report Date..... 3-Mar-15
EML Project ID..... 150204-EWN-C
Your Project ID..... Annual Synagro
Testing

Date Sampled..... 4-Feb-15
Date Submitted..... 4-Feb-15



Attn: Mr. Konrad Karolczuk

Results in mg/L unless otherwise noted.
ND = Not Detected. NR = Not Required.

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Parameter	Det Limit	Results
Metals		
Arsenic	<0.2	ND
Barium	<0.2	0.41
Cadmium	<0.1	ND
Chromium	<0.2	ND
Lead	<0.5	ND
Mercury	<0.02	ND
Selenium	<0.2	ND
Silver	<0.2	ND
Volatiles		
Benzene	<0.05	ND
Carbon Tetrachloride	<0.05	ND
Chlorobenzene	<0.05	ND
Chloroform	<0.05	ND
1,4-Dichlorobenzene	<0.05	ND
1,1-Dichloroethene	<0.05	ND
1,2-Dichloroethane	<0.05	ND
Vinyl chloride	<0.05	ND
Methyl ethyl ketone (MEK)	<0.05	ND
Tetrachloroethylene (PCE)	<0.05	ND
Trichloroethylene (TCE)	<0.05	ND

Technical Reviewer:

Title:

Transcript Reviewer:

Title:

TOTCLP-17



ENVIRONMENTAL MONITORING LABORATORY, INC.

Report Date..... 3-Mar-15
EML Project ID..... 150204-EWN-C
Your Project ID..... Annual Sludge
for Synagro

[Redacted]

Date Sampled..... 4-Feb-15
Date Submitted..... 4-Feb-15

Attn: Mr. Konrad Karolczuk

Results in mg/Kg unless otherwise noted.
ND = Not Detected.

Parameter	Results
% Fixed Solids	22.94
% Total Solids	5.18
% Volatile Solids	77.06
pH (S.U.)	7.0
Flashpoint	>200°F
% Total Sulfur	0.49
Reactive Sulfide	ND<5
Reactive Cyanide	ND<5
Phosphorus as P	13835.

Tab: 11/2/14

Technical Reviewer:

[Signature]

Transcript Reviewer:

[Signature]

Title

[Signature]

Title

[Signature]



ENVIRONMENTAL MONITORING LABORATORY, INC.

Report Date..... 3-Mar-15
EML Project ID. 150204-EWN-C
Your Project ID. Annual Synagro
Testing

Date Sampled... .. 4-Feb-15
Date Submitted. ... 4-Feb-15



Attn : Mr. Konrad Karolczuk

Results in mg/L unless otherwise noted.
ND = Not Detected. NR = Not Required.

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Compound	Det.Limit	Results
Acid Fraction		
m-Cresol	<1	ND
o-Cresol	<1	ND
p-Cresol	<1	ND
Pentachlorophenol	<1	ND
2,4,5-Trichlorophenol	<1	ND
2,4,6-Trichlorophenol	<1	ND
Base-Neutral Fraction		
2,4-Dinitrotoluene	<0.1	ND
Hexachlorobenzene	<0.1	ND
Hexachloroethane	<0.1	ND
Hexachlorobutadiene	<0.1	ND
Nitrobenzene	<0.1	ND
Pyridine	<0.5	ND



Technical Reviewer: [Signature]
Transcript Reviewer: [Signature]

Title: [Signature]
Title: [Signature]



ENVIRONMENTAL MONITORING LABORATORY, INC.

M22
~~SYNAGRO~~
~~Coke~~



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

Analysis Report
 January 26, 2015

FOR: Attn: Mr. James Pratt
 SYNAGRO
 680 Main Street, Suite 303
 Watertown, CT 06795

Sample Information

Matrix: SLUDGE
 Location Code: SYN-FC
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by: CY
 Received by: LB
 Analyzed by: see "By" below

Date

01/13/15
 01/16/15

Time

0:00
 11:41

Laboratory Data

SDG ID: GBH64065
 Phoenix ID: BH64067

Project ID: CUSTOMER SLUDGE QUARTERLY ANALYSIS
 Client ID: ~~XXXXXXXXXX~~

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	3.1	1.0	mg/Kg	01/19/15	LK	SW6010
Beryllium	< 0.51	0.51	mg/Kg	01/19/15	LK	SW6010
Calcium	9570	7.6	mg/Kg	01/19/15	LK	SW6010
Cadmium	1.51	0.51	mg/Kg	01/19/15	LK	SW6010
Chromium	18.0	0.51	mg/Kg	01/19/15	LK	SW6010
Copper	402	5.1	mg/Kg	01/19/15	LK	SW6010
Mercury	0.60	0.10	mg/kg	01/19/15	RS	SW-7471
Molybdenum	9.17	0.51	mg/Kg	01/19/15	LK	SW6010
Nickel	14.0	0.51	mg/Kg	01/19/15	LK	SW6010
Lead	42.2	0.51	mg/Kg	01/19/15	LK	SW6010
Selenium	3.5	2.5	mg/Kg	01/19/15	LK	SW6010
Zinc	681	5.1	mg/Kg	01/19/15	LK	SW6010
Percent Solid	22.2	1	%			SW846
Total Solids @ 104C	22.2	0.1	%	01/19/15	KH/CL	SM2540B B
Fixed Solids @ 500C	16.3	0.1	%	01/19/15	KH/CL	E160.4
Volatile Solids @ 500C	83.7	0.1	%	01/19/15	KH/CL	S2540E/E160.4
Mercury Digestion	Completed			01/17/15	WJ	SW7471
Sludge Ext. for PCB	Completed			01/16/15	M/M	SW3550
Total Metals Digest	Completed			01/16/15	CB/T	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	440	ug/Kg	01/17/15	AW	SW 8082
PCB-1221	ND	440	ug/Kg	01/17/15	AW	SW 8082
PCB-1232	ND	440	ug/Kg	01/17/15	AW	SW 8082
PCB-1242	ND	440	ug/Kg	01/17/15	AW	SW 8082
PCB-1248	ND	440	ug/Kg	01/17/15	AW	SW 8082
PCB-1254	ND	440	ug/Kg	01/17/15	AW	SW 8082
PCB-1260	ND	440	ug/Kg	01/17/15	AW	SW 8082

Project ID: CUSTOMER SLUDGE QUARTERLY ANALYSIS

Phoenix I.D.: BH64067

Client ID: ██████████

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB-1262	ND	440	ug/Kg	01/17/15	AW	SW 8082
PCB-1268	ND	440	ug/Kg	01/17/15	AW	SW 8082
<u>QA/QC Surrogates</u>						
% DCBP	97		%	01/17/15	AW	30 - 150 %
% TCMX	64		%	01/17/15	AW	30 - 150 %

B = Present in blank, no bias suspected.

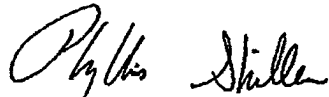
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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



Phyllis Shiller, Laboratory Director

January 26, 2015

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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 (880) 646-8728

6^uW/c+ID

Temp Pa 2 of 2

Date Delivery: Fax # _____
 Email: phoenix@synagro.com

Customer: SYNAGRO NE #SYNAGRO Project: Customer Sludge Quarterly Analysis Project P.O.:
 Address: 199 Municipal Road Report to: James Pratt Phone #: 203-754-8337
 Waterbury, CT 06708 Invoice to: James Pratt Fax #: 203-754-9475

Client Sample - Information - Identification					Analysis Request																				
Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	% Total Solids	As	Bb	Cd	Cu	Cr	Pb	Se	Zn	% Volatile Solids	% Fixed Solids	Sal VOA Vials (1 methanol) (1 Sol Residue)	Gl Sol container (30) oz	Gl Sol container (100) oz	40 ml VOA Vial (1/2 1/4) (1/2)	PL 1/2 1/4 (1/2 1/4) (1/2)	PL 1/2 1/4 (1/2 1/4) (1/2)	PL 1/2 1/4 (1/2 1/4) (1/2)	PL 1/2 1/4 (1/2 1/4) (1/2)	Residue Bottle	
64065	Near West Field	SL	1-13		X	X	X	X	X	X	X	X	X												
64066	N. Hampton	SL	1-15		X	X	X	X	X	X	X	X	X												
64067	Greenwich	SL	1-13		X	X	X	X	X	X	X	X	X												
64068	South Hadley	SL	1-13		X	X	X	X	X	X	X	X	X												
64069	Cheshire	SL	1-13		X	X	X	X	X	X	X	X	X												
64070	Wallkill	SL	1-14		X	X	X	X	X	X	X	X	X												
64071	Orange County	SL	1-13		X	X	X	X	X	X	X	X	X												
64072	Meriden	SL	1-13		X	X	X	X	X	X	X	X	X												
64073	Adams	SL	1-14		X	X	X	X	X	X	X	X	X												
64074	Liberty	SL	1-13		X	X	X	X	X	X	X	X	X												
64075	Great Barrington	SL	1-13		X	X	X	X	X	X	X	X	X												

Relinquished by: C. Yocher Accepted by: [Signature] Date: 1-15-15 Time: 8:15
[Signature] Date: 1/16/15 Time: 11:41

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

CT/RI: RCP Cert GW Protect GA Mobility GB Mobility SW Protection Res. Vol. Ind. Vol. Res. Criteria Other

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

Data Format: Excel PDF GIS/Key EQuIS Other

Data Package: ASP-A NJ Reduced Defv. NJ HazMat EDD Phoenix Std Report

Comments, Special Requirements or Regulations:

State where samples were collected: GT



CHAIN OF CUSTODY RECORD

60W/CTIP Temp Pg 1 of 2

687 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenlabs.com Fax (860) 645-0823

Data Delivery:
Fax #:
Email: kphair@synagro.com

Client Services (860) 645-8726

Customer: SYNAGRO NE #SYNAGRO
Address: 199 Municipal Road Waterbury, CT 06708

Project: Customer Sludge Quarterly Analysis
Report to: James Pratt
Invoice to: James Pratt

Project P.O.:
Phone #: 203-754-9337
Fax #: 203-754-9476

Client Sample Information - Identification
Sampler's Signature: Chris Vocher Date: 1/15/15

Analysis Request

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

Table with columns: Phoenix Sample #, Customer Sample Identification, Sample Matrix, Date Sampled, Time Sampled, % Total Solids, % Volatile Solids, % Fixed Solids, and various chemical analysis columns (As, Bb, Cd, Cr, Cu, Hg, Ni, Pb, P, Se, Zn, etc.).

Regulated by: C. Vocher
Accepted by: [Signature]
Date: 1-16-15
Time: 8:15
Turnaround: [] 1 Day* [] 2 Days* [] 3 Days* [] Standard [] Other
CT/RI: [] RCP Cert [] GW Protect [] QA Mobity [] GB Mobity [] SW Protection [] Res. Vol. [] Ind. Vol. [] Res. Criteria [] Other

MA: [] MCP Certification [] GW-1 [] GW-2 [] GW-3 [] S-1 [] S-2 [] S-3 [] MWRA eSMART [] Other
Data Format: [] Excel [] PDF [] GIS/Key [] EQUS [] Other
Data Package: [] ASP-A [] NJ Reduced Deliv. [] NJ Hazife EDD [] Phoenix Std Report
State where samples were collected: CT

PHOENIX 
Environmental Laboratories, Inc.

Monday, March 16, 2015

Attn: Ms. Mary Jersey
[REDACTED]
[REDACTED]
[REDACTED]

Project ID: [REDACTED]
Sample ID#s: BH81065

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

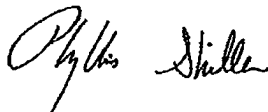
This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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



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 16, 2015

FOR: Attn: Ms. Mary Jersey
 Town of Greenwich WWTP
 101 Field Point Road
 Greenwich, CT 06830

Sample Information

Matrix: SLUDGE
 Location Code: TWNGREEN
 Rush Request: Standard
 P.O.#:

Custody Information

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

Date Time

03/10/15 8:35
 03/10/15 16:21

Laboratory Data

SDG ID: GBH81065
 Phoenix ID: BH81065

Project ID: XXXXXXXXXX
 Client ID: FILTER PRESS CAKE GRAB

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	2.4	0.8	mg/Kg	03/11/15	LK	SW6010C
Beryllium	< 0.38	0.38	mg/Kg	03/11/15	LK	SW6010C
Cadmium	1.15	0.38	mg/Kg	03/11/15	LK	SW6010C
Chromium	11.8	0.38	mg/Kg	03/11/15	LK	SW6010C
Copper	446	3.8	mg/Kg	03/11/15	LK	SW6010C
Mercury	0.25	0.10	mg/kg	03/13/15	RS	SW7471B
Nickel	12.3	0.38	mg/Kg	03/11/15	LK	SW6010C
Lead	25.0	0.38	mg/Kg	03/11/15	LK	SW6010C
Zinc	805	3.8	mg/Kg	03/11/15	LK	SW6010C
Percent Solid	24.9	1	%			SW846-%Solid
Total Solids @ 104C	24.9	0.1	%	03/12/15	KH	SM2540B-97
Fixed Solids @ 500C	13.2	0.1	%	03/12/15	KH	E160.4
Volatile Solids @ 500C	86.8	0.1	%	03/12/15	KH	SM2540E/E160.4-9
Mercury Digestion	Completed			03/13/15	IA	SW7471B
Sludge Ext. for PCB	Completed			03/12/15	M/M	SW3550C
Total Metals Digest	Completed			03/10/15	CB/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	400	ug/Kg	03/13/15	AW	SW8082A
PCB-1221	ND	400	ug/Kg	03/13/15	AW	SW8082A
PCB-1232	ND	400	ug/Kg	03/13/15	AW	SW8082A
PCB-1242	ND	400	ug/Kg	03/13/15	AW	SW8082A
PCB-1248	ND	400	ug/Kg	03/13/15	AW	SW8082A
PCB-1254	ND	400	ug/Kg	03/13/15	AW	SW8082A
PCB-1260	ND	400	ug/Kg	03/13/15	AW	SW8082A
PCB-1262	ND	400	ug/Kg	03/13/15	AW	SW8082A
PCB-1268	ND	400	ug/Kg	03/13/15	AW	SW8082A

QA/QC Surrogates

Project ID: [REDACTED]
Client ID: FILTER PRESS CAKE GRAB

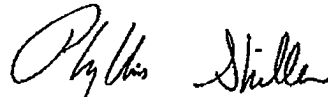
Phoenix I.D.: BH81065

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% DCBP	74		%	03/13/15	AW	30 - 150 %
% TCMX	54		%	03/13/15	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

March 16, 2015

Reviewed and Released by: Deb Lawrie, Project Manager

Monday, March 16, 2015

Sample Criteria Exceedences Report

Page 1 of 1

Criteria: None

GBH81065 - TWNGREEN

State: CT

Sample No	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

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.

Cooler: IPK ICE No No

Temp: °C °F

Contact Options:

Fax:
Phone:
Email:

203-622-0963 ext 209
MJCS@phoenixlabs.com

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



Project P.O.:

Report to: Mary Jersey
Invoice to:

Customer: [Redacted]
Address: [Redacted]

This section **MUST** be completed with Bottle Quantities.

Analysis Request

TRIAL 15 BE AT CR
TRIAL 15 BE AT CR
TRIAL 15 BE AT CR

GL VOA Vials (Metalhead) 1 H2O
GL Soil container () 2
GL VOA Vial (Asst) 1 HCl
GL Amber 1000ml (Asst) 1 H2SO4
PL AS 1 1250ml 1500ml 1800ml
PL H2SO4 1250ml 1500ml 1800ml
PL HNO3 250ml
Beaker/Bottle

Chem Samples Information - Identification

Sampler's Signature: [Signature] Date: 3/10/15

Matrix Code: [Blank]

DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SU=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
81006	Filter Press	SL	3/10/15	8:35
	Cake Grab			9:00

Relinquished by:	Accepted by:	Date:	Time:	RI	CT	MA	Data Format
<u>[Signature]</u>	<u>[Signature]</u>	<u>3/10/15</u>	<u>1:50</u>	<input type="checkbox"/> Direct Exposure (Residential) <input type="checkbox"/> GW <input type="checkbox"/> Other	<input type="checkbox"/> RCP Cert <input type="checkbox"/> GW Protection <input type="checkbox"/> SW Protection <input type="checkbox"/> GA Mobility <input type="checkbox"/> GB Mobility <input type="checkbox"/> Residential DEC <input type="checkbox"/> I/C DEC <input type="checkbox"/> Other	<input type="checkbox"/> MCP Certification <input type="checkbox"/> GW-1 <input type="checkbox"/> GW-2 <input type="checkbox"/> GW-3 <input type="checkbox"/> S-1 <input type="checkbox"/> S-2 <input type="checkbox"/> S-3 <input type="checkbox"/> MWRA eSMART <input type="checkbox"/> Other	<input type="checkbox"/> Excel <input type="checkbox"/> PDF <input type="checkbox"/> GIS/Key <input type="checkbox"/> EQUIS <input type="checkbox"/> Other Data Packages <input type="checkbox"/> Tier II Checklist <input type="checkbox"/> Full Data Package* <input type="checkbox"/> Phoenix Std Report <input type="checkbox"/> Other

Comments, Special Requirements or Regulations:

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

State where samples were collected: _____
 * SURCHARGE APPLIES