


L M30

PHOENIX 
Environmental Laboratories, Inc.

Wednesday, July 15, 2015

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

Project ID: NAUGATUCK
Sample ID#s: BJ43891

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
 July 15, 2015

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.#: 7766000379

Custody Information

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

Date Time
 07/08/15
 07/09/15 15:34

Laboratory Data

SDG ID: GBJ43891
 Phoenix ID: BJ43891

Project ID: NAUGATUCK
 Client ID: SLUDGE-C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	4.4	1.4	mg/Kg	1	07/10/15	LK	SW6010C
Beryllium	< 0.71	0.71	mg/Kg	1	07/10/15	LK	SW6010C
Cadmium	3.07	0.71	mg/Kg	1	07/10/15	LK	SW6010C
Chromium	44.1	0.71	mg/Kg	1	07/10/15	LK	SW6010C
Copper	1270	7.1	mg/Kg	10	07/10/15	LK	SW6010C
Mercury	4.88	0.14	mg/kg	1	07/13/15	RS	SW7471B
Nickel	26.0	0.71	mg/Kg	1	07/10/15	LK	SW6010C
Lead	169	0.71	mg/Kg	1	07/10/15	LK	SW6010C
Selenium	< 3.6	3.6	mg/Kg	1	07/10/15	LK	SW6010C
Zinc	1400	7.1	mg/Kg	10	07/10/15	LK	SW6010C
Total Solids @ 104C	16.5	0.1	%	1	07/10/15	TM	SM2540B-97
Fixed Solids @ 500C	29.2	0.1	%	1	07/10/15	TM	E160.4
Nitrite as N	< 0.61	0.61	mg/kg	10	07/10/15	BS/EG	SW9056A
Nitrate as N	< 3.0	3.0	mg/kg	10	07/10/15	BS/EG	SW9056A
Organic Nitrogen	44000	580	mg/Kg	1	07/14/15	WHM	E350.1/E350.2
pH - Sludge	7.60	0.10	pH Units	1	07/09/15 21:00	DH/EG	SW9045
Nitrogen Tot Kjeldahl	49000	2900	mg/Kg	1	07/14/15	WHM	E351.1
Volatile Solids @ 500C	70.8	0.1	%	1	07/10/15	TM	SM2540E/E160.4-9
Mercury Digestion	Completed				07/13/15	U/I	SW7471B
Sludge Ext. for PCB	Completed				07/10/15	M/M	SW3550C
Total Metals Digest	Completed				07/09/15	GIAG/I	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	590	ug/Kg	1	07/11/15	AW	SW8082A
PCB-1221	ND	590	ug/Kg	1	07/11/15	AW	SW8082A
PCB-1232	ND	590	ug/Kg	1	07/11/15	AW	SW8082A
PCB-1242	ND	590	ug/Kg	1	07/11/15	AW	SW8082A
PCB-1248	ND	590	ug/Kg	1	07/11/15	AW	SW8082A

Project ID: NAUGATUCK
Client ID: SLUDGE-

Phoenix I.D.: BJ43891

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1254	ND	590	ug/Kg	1	07/11/15	AW	SW8082A
PCB-1260	ND	590	ug/Kg	1	07/11/15	AW	SW8082A
PCB-1262	ND	590	ug/Kg	1	07/11/15	AW	SW8082A
PCB-1268	ND	590	ug/Kg	1	07/11/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	131		%	1	07/11/15	AW	30 - 150 %
% TCMX	74		%	1	07/11/15	AW	30 - 150 %

B = Present in blank, no bias suspected.

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

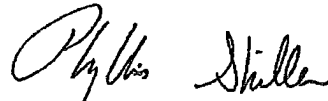
Comments:

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

July 15, 2015

Reviewed and Released by: Deb Lawrie, Project Manager



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

July 15, 2015

QA/QC Data

SDG I.D.: GBJ43891

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 313394 (mg/kg), QC Sample No: BJ43926 (BJ43891)													
Mercury - Soil	BRL	0.06	<0.03	<0.03	NC	106	103	2.9	101	94.5	6.6	70 - 130	30
Comment:													

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

QA/QC Batch 313372 (mg/kg), QC Sample No: BJ44179 (BJ43891)

ICP Metals - Soil

Arsenic	BRL	0.67	<0.7	<0.67	NC	92.0	88.9	3.4	93.3	95.2	2.0	75 - 125	30
Beryllium	BRL	0.27	<0.27	<0.27	NC	94.0	89.9	4.5	99.6	102	2.4	75 - 125	30
Cadmium	BRL	0.33	<0.34	<0.33	NC	93.2	88.7	4.9	94.8	97.5	2.8	75 - 125	30
Chromium	BRL	0.33	2.98	1.72	53.6	100	95.1	5.0	108	104	1.9	75 - 125	30
Copper	BRL	0.33	0.99	0.85	NC	101	97.5	3.5	107	109	1.9	75 - 125	30
Lead	BRL	0.33	1.15	1.01	NC	93.8	86.9	7.6	96.3	98.7	2.5	75 - 125	30
Nickel	BRL	0.33	0.95	0.90	NC	96.6	91.1	5.9	99.7	102	2.3	75 - 125	30
Selenium	BRL	1.3	<1.3	<1.3	NC	79.2	75.1	5.3	84.1	85.6	1.8	75 - 125	30
Zinc	BRL	0.33	1.95	1.62	NC	93.0	89.1	4.3	96.9	98.9	2.0	75 - 125	30

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



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QA/QC Report

July 15, 2015

QA/QC Data

SDG I.D.: GBJ43891

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 313418 (), QC Sample No: BJ43889 (BJ43891)													
Total Solids	0.271	0.1	15.7	15.6	0.60	100						85 - 115	30
QA/QC Batch 313399 (PH), QC Sample No: BJ44011 (BJ43891)													
pH - Soil			6.21	6.06	2.40	99.2						85 - 115	20
QA/QC Batch 313656 (mg/L), QC Sample No: BJ44012 (BJ43891)													
Nitrogen Tot Kjeldahl	BRL	0.10	1.07	1.09	1.90	93.3			102			85 - 115	20
QA/QC Batch 313472 (mg/L), QC Sample No: BJ44468 (BJ43891)													
Nitrate as Nitrogen	BRL	0.05	<0.05	<0.05	NC	92.9			99.3			85 - 115	20
Nitrite as Nitrogen	BRL	0.004	<0.004	<0.004	NC	98.2			108			85 - 115	20



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QA/QC Report

July 15, 2015

QA/QC Data

SDG I.D.: GBJ43891

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 313129 (ug/Kg), QC Sample No: BJ41932 (BJ43891)										
<u>Polychlorinated Biphenyls - Sludge</u>										
PCB-1016	ND	13	86	50	52.9				40 - 140	30 r
PCB-1221	ND	13							40 - 140	30
PCB-1232	ND	13							40 - 140	30
PCB-1242	ND	13							40 - 140	30
PCB-1248	ND	13							40 - 140	30
PCB-1254	ND	13							40 - 140	30
PCB-1260	ND	13	100	63	45.4				40 - 140	30 r
PCB-1262	ND	13							40 - 140	30
PCB-1268	ND	13							40 - 140	30
% DCBP (Surrogate Rec)	102	%	117	64	58.6				30 - 150	30 r
% TCMX (Surrogate Rec)	78	%	89	51	54.3				30 - 150	30 r

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

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

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

Phyllis Shiller
 Phyllis/Shiller, Laboratory Director
 July 15, 2015

Wednesday, July 15, 2015

Sample Criteria Exceedences Report

Page 1 of 1

Criteria: None

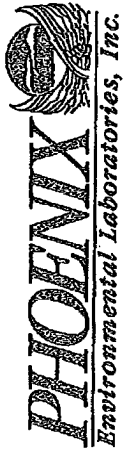
State: CT

GBJ43391 - VEOLIANA

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

Cooler: Yes No
 Coolant: IPK ICE No
 Temp 7 °C Pg of
 Data Delivery: Fax #:
 Email: tom.deller@veolia.com

Customer: Veolia Water, NA Project: Naugatuck Project P.O.: 3rd Qtr 1
 Address: 500 Chery St Ext
Naugatuck, Ct 06770
 Attn: Tom Deller
 Report to: Tom Deller
 Invoice to: 3rd Qtr 2015
 Phone #: 203-723-1433 ext 2004
 Fax #: 203-723-8539

This section MUST be completed with Bottle Quantities.

Analysis Request	Asst. Bismuth	Cadmium	Copper	Lead	Mercury	Chromium	Nickel	NiCl	PCBs	Selenium	Fixed Solids	Total Solids	Volatile Solids	Zinc	NO2	NO3	TKN	TON	Sal VOA Vials [methanol] H2O	40 ml VOA Vial [As Is]	100ml VOA Vial [As Is]	125ml VOA Vial [As Is]	150ml VOA Vial [As Is]	250ml VOA Vial [As Is]	500ml VOA Vial [As Is]	1000ml VOA Vial [As Is]	PL As Is [HCl]	PL As Is [H2SO4]	PL As Is [NaOH]	PL As Is [HNO3]	PL As Is [H2SO4]	Bacteria Bottle	
Sludge	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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

PHOENIX USE ONLY SAMPLE ID: 13381
 Date: 7/15/15

Customer Sample Identification: Sludge Sample Matrix: SL Date Sampled: 7/15/15 Time Sampled: N/A

Requisitioned by: Tom Deller Accepted by: Tom Deller
 Date: 7/15/15 Time: 12:50

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

Comments, Special Requirements or Regulations:
3rd Qtr 2015 CASELLA HUNTINGTON

State where samples were collected: CT

*SURCHARGE APPLIES

*SURCHARGE APPLIES

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: Veolia Water, NA
 Address: 500 Cherry St Ext
 Naugatuck, Ct 06770
 Attn: Tom Deller

Project: Naugatuck
 Report to: Tom Deller
 Invoice to: 3rd Qtr 2015
 Phone #: 203-723-1433 ext 2004
 Fax #: 203-723-8539

Project P.O.: 3rd Qtr

Sampler's Signature: *[Signature]* P. G. CASSELLA Date: 7/9/15

Client Sample - Information - Identification

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

Customer Sample Identification: Sludge Date Sampled: 7/8/15 Time Sampled: N/A

Analysis Request

Analysis Request	As for	Chromium, Barium, Cadmium	Nickel, Pb, PCBs, Selenium	Fixed Solids, Total Solids	Volatile Solids, Zinc	NO2, NO3, TKN, TON	GI Soil Container (8) oz	GI Amber 1000ml X 1 As Is (HCl)	PL As Is (150ml) X 1 As Is (HCl)	PL H2SO4 (X) 250ml (X) 150ml (X) 1000ml	PL HNO3 250ml	PL HNO3 250ml	Bacteria Bottle
X	X	X	X	X	X	X	X	X	X	X	X	X	X

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

Date: 2015/7/9 Time: 12:54

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

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

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

RI Direct Exposure (Residential)
 GW
 Other

Data Format:
 Excel
 PDF
 GIS/Key
 EQUIS
 Other

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

* SURCHARGE APPLIES

State where samples were collected: CT

* SURCHARGE APPLIES

3rd Qtr 2015 CASELLA HUNTINGTON

Comments, Special Requirements or Regulations:

M68



Monday, May 04, 2015

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

Project ID: NAUGATUCK
Sample ID#s: BJ08847

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

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
 May 04, 2015

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.#: 7766000379

Custody Information

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

Date Time
 04/25/15
 04/28/15 15:40

Laboratory Data

SDG ID: GBJ08847
 Phoenix ID: BJ08847

Project ID: NAUGATUCK
 Client ID: SLUDGE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	3.5	0.8	mg/Kg	1	04/29/15	EK	SW6010C
Beryllium	< 0.40	0.40	mg/Kg	1	04/29/15	EK	SW6010C
Cadmium	0.75	0.40	mg/Kg	1	04/29/15	EK	SW6010C
Chromium	26.8	0.40	mg/Kg	1	04/29/15	EK	SW6010C
Copper	353	4.0	mg/Kg	10	04/29/15	EK	SW6010C
Mercury	0.47	0.10	mg/kg	1	04/30/15	RS	SW7471B
Nickel	11.4	0.40	mg/Kg	1	04/29/15	EK	SW6010C
Lead	32.8	0.40	mg/Kg	1	04/29/15	EK	SW6010C
Selenium	5.1	2.0	mg/Kg	1	04/29/15	EK	SW6010C
Zinc	450	4.0	mg/Kg	10	04/29/15	EK	SW6010C
Total Solids @ 104C	23.8	0.1	%	1	04/29/15	KH	SM2540B-97
Fixed Solids @ 500C	22.3	0.1	%	1	04/29/15	KH	E160.4
pH - Sludge	7.84	0.10	pH Units	1	04/28/15 20:00	DH/KDB	SW9045
Volatile Solids @ 500C	77.7	0.1	%	1	04/29/15	KH	SM2540E/E160.4-9
Mercury Digestion	Completed				04/30/15	I/I	SW7471B
Sludge Ext. for PCB	Completed				04/30/15	M/M	SW3550C
Total Metals Digest	Completed				04/27/15	CB/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	420	ug/Kg	1	05/01/15	KCA	SW8082A
PCB-1221	ND	420	ug/Kg	1	05/01/15	KCA	SW8082A
PCB-1232	ND	420	ug/Kg	1	05/01/15	KCA	SW8082A
PCB-1242	ND	420	ug/Kg	1	05/01/15	KCA	SW8082A
PCB-1248	ND	420	ug/Kg	1	05/01/15	KCA	SW8082A
PCB-1254	ND	420	ug/Kg	1	05/01/15	KCA	SW8082A
PCB-1260	ND	420	ug/Kg	1	05/01/15	KCA	SW8082A
PCB-1262	ND	420	ug/Kg	1	05/01/15	KCA	SW8082A
PCB-1268	ND	420	ug/Kg	1	05/01/15	KCA	SW8082A

Project ID: NAUGATUCK
Client ID: SLUDGE

Phoenix I.D.: BJ08847

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>QA/QC Surrogates</u>							
% DCBP	86		%	1	05/01/15	KCA	30 - 150 %
% TCMX	63		%	1	05/01/15	KCA	30 - 150 %

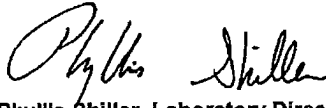
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
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Phyllis Shiller, Laboratory Director

May 04, 2015

Reviewed and Released by: Deb Lawrie, Project Manager



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

QA/QC Report

May 04, 2015

QA/QC Data

SDG I.D.: GBJ08847

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 306033 (mg/kg), QC Sample No: BJ08201 (BJ08847)													
ICP Metals - Soil													
Arsenic	BRL	0.62	0.9	1.30	NC	97.3	103	5.7	90.7	90.3	0.4	75 - 125	30
Beryllium	BRL	0.25	0.46	0.50	NC	95.6	104	8.4	94.3	94.1	0.2	75 - 125	30
Cadmium	BRL	0.31	<0.35	<0.36	NC	88.4	95.8	8.0	87.7	87.2	0.6	75 - 125	30
Chromium	BRL	0.31	17.7	18.9	6.60	90.6	97.8	7.6	95.9	95.7	0.2	75 - 125	30
Copper	BRL	0.31	15.4	18.3	17.2	98.1	106	7.7	109	108	0.9	75 - 125	30
Lead	BRL	0.31	4.7	5.53	16.2	91.6	101	9.8	89.5	88.8	0.8	75 - 125	30
Nickel	BRL	0.31	11.9	13.3	11.1	89.6	96.9	7.8	91.8	90.6	1.3	75 - 125	30
Selenium	BRL	1.2	<1.4	<1.4	NC	94.2	98.6	4.6	80.9	80.2	0.9	75 - 125	30
Zinc	BRL	0.31	24.0	29.4	20.2	94.2	103	8.9	98.5	97.9	0.6	75 - 125	30

QA/QC Batch 306367 (mg/kg), QC Sample No: BJ09861 (BJ08847)

Mercury - Soil	BRL	0.06	0.16	0.23	35.9	117	114	2.6	101	98.9	2.1	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%.

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



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

May 04, 2015

QA/QC Data

SDG I.D.: GBJ08847

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 306230 (), QC Sample No: BJ08847 (BJ08847)													
Total Solids	BRL	0.1	23.8	23.6	0.80	100						85 - 115	30
QA/QC Batch 306214 (PH), QC Sample No: BJ09052 (BJ08847)													
pH - Soil			5.07	5.06	0.20	98.4						85 - 115	20



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

May 04, 2015

QA/QC Data

SDG I.D.: GBJ08847

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
QA/QC Batch 305648 (ug/Kg), QC Sample No: BJ05600 (BJ08847)										
<u>Polychlorinated Biphenyls - Sludge</u>										
PCB-1016	ND	13	68	53	24.8				40 - 140	30
PCB-1221	ND	13							40 - 140	30
PCB-1232	ND	13							40 - 140	30
PCB-1242	ND	13							40 - 140	30
PCB-1248	ND	13							40 - 140	30
PCB-1254	ND	13							40 - 140	30
PCB-1260	ND	13	89	69	25.3				40 - 140	30
PCB-1262	ND	13							40 - 140	30
PCB-1268	ND	13							40 - 140	30
% DCBP (Surrogate Rec)	98	%	104	80	26.1				30 - 150	30
% TCMX (Surrogate Rec)	72	%	75	58	25.6				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
 Phyllis Shiller, Laboratory Director
 May 04, 2015

Sample Criteria Exceedences Report

GBJ08847 - VEOLIANA

Criteria: None

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	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

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

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

Sampler's Signature: [Signature] T. Deller Date: 4-23-15
 Client Sample - Information - Identification
 Matrix Code: DW=Drinking Water GW=Ground Water SW=Surface Water MW=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: 4/25/15 Time Sampled: N/A
 Sample Matrix: SL

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
	Sludge	SL	4/25/15	N/A	Asenic, Beryllium, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, pH, PCBs, Selenium, Fixed solids, Total Solids, Volatile solids, Zinc
					SKN VOA Vials [methanol] H2O
					GL soil container (8) oz
					40 ml VOA Vial [As Is] HCl
					GL Amber 1000ml [As Is] H2SO4
					PL As Is [250ml] 1500ml [X] 1000ml
					PL H2SO4 [X] 250ml [1500ml]
					PL HNO3 250ml
					Bacteria Bottle

Requisitioned by: [Signature] T. Deller Accepted by: [Signature]
 Date: 4-23-15 Time: 2:15
 RI Direct Exposure (Residential) GW Other
 CI 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
 Turnaround: 1 Day* 2 Days* 3 Days* Standard Other
 Comments, Special Requirements or Regulations: Suffolk - 2nd Qtr
 State where samples were collected: _____
 * SURCHARGE APPLIES

* SURCHARGE APPLIES

ANALYTICAL REPORT

Job Number: 420-92468-2

SDG Number: Sludge

Job Description: [REDACTED]

For:

[REDACTED]
[REDACTED]

Attention: Mr. Dale Post



Designee for

Joyce M Esposito

Senior Customer Service Representative

jesposito@envirotestlaboratories.com

07/17/2015

cc: Melissa T

NYSDOH ELAP does not certify for all parameters. EnviroTest Laboratories does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval of the laboratory. EnviroTest Laboratories Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our laboratory. All questions regarding this report should be directed to the EnviroTest Customer Service Representative.

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554

Envirotest Laboratories, Inc.

315 Fullerton Avenue, Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com

Job Narrative
420-J92468-2

Receipt

All samples were received in good condition within temperature requirements.

GC Semi VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

Method 9045D: The holding time for pH is 15 minutes, the samples were received outside of the holding time.

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

METHOD SUMMARY

Client: [REDACTED]

Job Number: 420-92468-2
SDG Number: Sludge

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Residue, Volatile, Gravimetric, Ignition at 550°C (TVS)	EnvTest	MCAWW 160.4	
Inductively Coupled Plasma - Atomic Emission Spectrometry	EnvTest	SW846 6010C	
Acid Digestion of Sediments, Sludges, and Soils	EnvTest		SW846 3050B
Hg in Solids & Semi-solids	EnvTest	SW846 7471B	
Mercury in Solid or Semi-Solid Waste (Manual Cold	EnvTest		SW846 7471B
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	EnvTest	SW846 8082A	
Microwave Extraction	EnvTest		SW846 3546
Soil and Waste pH	EnvTest	SW846 9045D	

Lab References:

EnvTest = EnviroTest

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: 

Job Number: 420-92468-2
SDG Number: Sludge

Method	Analyst	Analyst ID
SW846 8082A	Palentino, Gus J	GJP
SW846 6010C	Cusack, Renee	RC
SW846 7471B	McPhillips, Julie	JM
MCAWW 160.4	Sirico, Derek	DS
SW846 9045D	Travis, Lyndsey	LT
SM SM2540B PSOL	Sirico, Derek	DS

SAMPLE SUMMARY

Client: 

Job Number: 420-92468-2
SDG Number: Sludge

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-92468-4	Sludge	Solid	07/08/2015 0800	07/08/2015 1530

Analytical Data

Client: XXXXXXXXXX

Job Number: 420-92468-2
Sdg Number: Sludge

Client Sample ID: Sludge

Lab Sample ID: 420-92468-4
Client Matrix: Solid

% Moisture: 97.1

Date Sampled: 07/08/2015 0800
Date Received: 07/08/2015 1530

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082A	Analysis Batch:	420-88811	Instrument ID:	Hewlett Packard 5890 Dual
Preparation:	3546	Prep Batch:	420-88760	Lab File ID:	C071324.D
Dilution:	1.0			Initial Weight/Volume:	15.52 g
Date Analyzed:	07/13/2015 2026			Final Weight/Volume:	1 mL
Date Prepared:	07/13/2015 1100			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
PCB-1016		2200	U	2200	2200
PCB-1221		2200	U	2200	2200
PCB-1232		2200	U	2200	2200
PCB-1242		2200	U	2200	2200
PCB-1248		2200	U	2200	2200
PCB-1254		2200	U	2200	2200
PCB-1260		2200	U	2200	2200
PCB-1262		2200	U	2200	2200
PCB-1268		2200	U	2200	2200

Surrogate	%Rec	Acceptance Limits
2,4,5,6-Tetrachloro-m-xylene	32	30 - 150
DCB Decachlorobiphenyl(surr)	43	30 - 150

Analytical DataClient: Job Number: 420-92468-2
Sdg Number: Sludge

Client Sample ID: Sludge

Lab Sample ID: 420-92468-4

Date Sampled: 07/08/2015 0800

Client Matrix: Solid

% Moisture: 97.1

Date Received: 07/08/2015 1530

6010C Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010C

Analysis Batch: 420-88767

Instrument ID:

Thermo ICP

Preparation: 3050B

Prep Batch: 420-88680

Lab File ID:

N/A

Dilution: 2.0

Initial Weight/Volume: 8.97 g

Date Analyzed: 07/13/2015 1212

Final Weight/Volume: 50 mL

Date Prepared: 07/10/2015 1103

Analyte	DryWt Corrected: Y	Result (mg/Kg Dry)	Qualifier	RL	RL
Arsenic		10		3.8	3.8
Beryllium		1.9	U	1.9	1.9
Cadmium		1.9	U	1.9	1.9
Chromium		30		3.8	3.8
Copper		1400		9.6	9.6
Nickel		20		15	15
Lead		56		9.6	9.6
Selenium		6.4		3.8	3.8
Zinc		940		7.7	7.7

7471B Hg in Solids & Semi-solids

Method: 7471B

Analysis Batch: 420-88882

Instrument ID:

Perkin Elmer FIMS

Preparation: 7471B

Prep Batch: 420-88834

Lab File ID:

N/A

Dilution: 1.0

Initial Weight/Volume: 5.03 g

Date Analyzed: 07/16/2015 1454

Final Weight/Volume: 50 mL

Date Prepared: 07/15/2015 1230

Analyte	DryWt Corrected: Y	Result (mg/Kg Dry)	Qualifier	RL	RL
Mercury		0.96		0.16	0.16

Analytical Data

Client: 

Job Number: 420-92468-2
Sdg Number: Sludge

General Chemistry

Client Sample ID: Sludge

Lab Sample ID: 420-92468-4
Client Matrix: Solid

Date Sampled: 07/08/2015 0800
Date Received: 07/08/2015 1530

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Fixed Solids	42		%	0.50	0.50	1.0	160.4
	Anly Batch: 420-88773	Date Analyzed		07/08/2015 1750			
Percent Volatile Solids	58.3		%	0.50	0.50	1.0	160.4
	Anly Batch: 420-88773	Date Analyzed		07/08/2015 1750			
pH	7.0	H	SU	0.20	0.20	1.0	9045D
	Anly Batch: 420-88682	Date Analyzed		07/09/2015 1656			DryWt Corrected: N
Temp @ pH Measurement	7.7		Degrees C	5.0	5.0	1.0	9045D
	Anly Batch: 420-88682	Date Analyzed		07/09/2015 1656			DryWt Corrected: N
Percent Solids	2.9		%	0.10	0.10	1.0	SM2540B PSOL
	Anly Batch: 420-88654	Date Analyzed		07/09/2015 1750			

DATA REPORTING QUALIFIERS

Client: [REDACTED]

Job Number: 420-92468-2
Sdg Number: Sludge

Lab Section	Qualifier	Description
GC Semi VOA	U	The analyte was analyzed for but not detected at or above the lowest stated limit.
Metals	U	The analyte was analyzed for but not detected at or above the lowest stated limit.
General Chemistry	H	Sample was prepped or analyzed beyond the specified holding time

Definitions and Glossary

Client: 

Job Number: 420-92468-2

Sdg Number: Sludge

<u>Abbreviation</u>	<u>These commonly used abbreviations may or may not be present in this report.</u>
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points

EnviroTest Laboratories Inc.

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

92468

CUSTOMER NAME: [REDACTED]
 ADDRESS: [REDACTED]
 CITY, STATE, ZIP: [REDACTED]
 NAME OF CONTACT: [REDACTED]
 PROJECT LOCATION: [REDACTED]
 PROJECT NUMBER / PO NO.: [REDACTED]

REPORT TYPE

STANDARD ISRA
 NJ REG
 NYASP A B CLP
 OTHER _____

TURNAROUND

NORMAL
 QUICK
 VERBAL

REPORT # (Lab Use Only)

SAMPLE TEMP: 2.9 °C
 SAMPLE REC'D ON ICE Y N
 pH CHECK Y N
 CHLORINE (RESIDUAL) Y N
 REVIEWED BY: _____

NY PUBLIC WATER SUPPLIES

SOURCE ID _____
 ELAP TYPE _____
 FEDERAL ID _____

Matrix
 DW = DRINKING WATER S = SOIL O = OIL
 WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4 ± 2°C.

ETL #	SAMPLING DATE	TIME	GRAB	MATRIX	CLIENT I.D.	Total Number of Containers	Liter Amber HCL	250ml Amber Sulfuric	Liter Amber Organic Washed	250ml Plastic Nitric Acid	250ml Plastic Sodium Hydroxide	Liter Plastic Sulfuric Acid	250ml Plastic Sterile	250ml Plastic NAOH/2N ACC	40ml Sulfuric	40ml Glass	DO
	7-8-15		X	WW	EFF	1											
			X		INF	1											
			X		EFF	1											
			X		INF	1											
			X		EFF	3											
			X		EFF INF	1											
			X		EFF EFF	1											
	7-8		X	WW	Sludge	1											

ANALYSIS REQUESTED

CB005
 CB005
 TKN
 TKN
 TSS
 TSS
 Fecal Coliform / PM
 Total Arsenic, Total Beryllium, Total Cadmium
 Total Chromium, Total Copper, Total Lead
 Total Mercury, Total Nickel, pH, Total Zinc
 Volatile Solids, Total Solids, Fixed Solids
 Total Selenium, Polychlorinated Biphenyls

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE ETL TERMS AND CONDITIONS OF SALE UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY: Kyle W. Edmunds
 COMPANY: ETL
 DATE: 7-8-15
 TIME: 1500

RECEIVED BY: [Signature]
 COMPANY: ETL
 DATE: 7-8-15
 TIME: 1530

RELINQUISHED BY: [Signature]
 COMPANY: ETL
 DATE: 7-8-15
 TIME: 1530

COMMENTS

LOGIN SAMPLE RECEIPT CHECK LIST

Job Number: 420-92468-2
SDG Number: Sludge

Login Number: 92468

Client: 

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	2.9 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or composting.	True	

1- M.75 ~~5d-0k-7-2015~~

PHOENIX 
Environmental Laboratories, Inc.

Wednesday, July 15, 2015

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

Project ID: NAUGATUCK
Sample ID#s: BJ43890

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
 July 15, 2015

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.#: 7766000379

Custody Information

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

Date Time

07/08/15
 07/09/15 15:34

Laboratory Data

SDG ID: GBJ43890
 Phoenix ID: BJ43890

Project ID: NAUGATUCK
 Client ID: SLUDGE [REDACTED]

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	4.2	0.7	mg/Kg	1	07/10/15	LK	SW6010C
Beryllium	< 0.37	0.37	mg/Kg	1	07/10/15	LK	SW6010C
Cadmium	3.05	0.37	mg/Kg	1	07/10/15	LK	SW6010C
Chromium	117	0.37	mg/Kg	1	07/10/15	LK	SW6010C
Copper	884	3.7	mg/Kg	10	07/10/15	LK	SW6010C
Mercury	2.06	0.09	mg/kg	1	07/13/15	RS	SW7471B
Nickel	19.0	0.37	mg/Kg	1	07/10/15	LK	SW6010C
Lead	47.7	0.37	mg/Kg	1	07/10/15	LK	SW6010C
Selenium	< 1.8	1.8	mg/Kg	1	07/10/15	LK	SW6010C
Zinc	781	3.7	mg/Kg	10	07/10/15	LK	SW6010C
Total Solids @ 104C	27.7	0.1	%	1	07/10/15	TM	SM2540B-97
Fixed Solids @ 500C	49.3	0.1	%	1	07/10/15	TM	E160.4
Nitrite as N	14.4	0.36	mg/kg	10	07/10/15	BS/EG	SW9056A
Nitrate as N	< 1.8	1.8	mg/kg	10	07/10/15	BS/EG	SW9056A
Organic Nitrogen	25900	240	mg/Kg	1	07/14/15	WHM	E350.1/E350.2
pH - Sludge	7.21	0.10	pH Units	1	07/09/15 21:00	DH/EG	SW9045
Nitrogen Tot Kjeldahl	28300	1200	mg/Kg	1	07/14/15	WHM	E351.1
Volatile Solids @ 500C	50.7	0.1	%	1	07/10/15	TM	SM2540E/E160.4-9
Mercury Digestion	Completed				07/13/15	UI	SW7471B
Sludge Ext. for PCB	Completed				07/10/15	M/M	SW3550C
Total Metals Digest	Completed				07/09/15	GI/AGI	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	350	ug/Kg	1	07/11/15	AW	SW8082A
PCB-1221	ND	350	ug/Kg	1	07/11/15	AW	SW8082A
PCB-1232	ND	350	ug/Kg	1	07/11/15	AW	SW8082A
PCB-1242	ND	350	ug/Kg	1	07/11/15	AW	SW8082A
PCB-1248	ND	350	ug/Kg	1	07/11/15	AW	SW8082A

Project ID: NAUGATUCK

Phoenix I.D.: BJ43890

Client ID: SLUDGE [REDACTED]

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1254	ND	350	ug/Kg	1	07/11/15	AW	SW8082A
PCB-1260	ND	350	ug/Kg	1	07/11/15	AW	SW8082A
PCB-1262	ND	350	ug/Kg	1	07/11/15	AW	SW8082A
PCB-1268	ND	350	ug/Kg	1	07/11/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	114		%	1	07/11/15	AW	30 - 150 %
% TCMX	73		%	1	07/11/15	AW	30 - 150 %

B = Present in blank, no bias suspected.

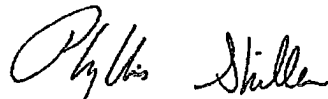
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

July 15, 2015

Reviewed and Released by: Deb Lawrie, Project Manager



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
 July 15, 2015

QA/QC Data

SDG I.D.: GBJ43890

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 313394 (mg/kg), QC Sample No: BJ43926 (BJ43890)													
Mercury - Soil	BRL	0.06	<0.03	<0.03	NC	106	103	2.9	101	94.5	6.6	70 - 130	30
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 313372 (mg/kg), QC Sample No: BJ44179 (BJ43890)													
<u>ICP Metals - Soil</u>													
Arsenic	BRL	0.67	<0.7	<0.67	NC	92.0	88.9	3.4	93.3	95.2	2.0	75 - 125	30
Beryllium	BRL	0.27	<0.27	<0.27	NC	94.0	89.9	4.5	99.6	102	2.4	75 - 125	30
Cadmium	BRL	0.33	<0.34	<0.33	NC	93.2	88.7	4.9	94.8	97.5	2.8	75 - 125	30
Chromium	BRL	0.33	2.98	1.72	53.6	100	95.1	5.0	106	104	1.9	75 - 125	30
Copper	BRL	0.33	0.99	0.85	NC	101	97.5	3.5	107	109	1.9	75 - 125	30
Lead	BRL	0.33	1.15	1.01	NC	93.8	86.9	7.6	96.3	98.7	2.5	75 - 125	30
Nickel	BRL	0.33	0.95	0.90	NC	96.6	91.1	5.9	99.7	102	2.3	75 - 125	30
Selenium	BRL	1.3	<1.3	<1.3	NC	79.2	75.1	5.3	84.1	85.6	1.8	75 - 125	30
Zinc	BRL	0.33	1.95	1.62	NC	93.0	89.1	4.3	96.9	98.9	2.0	75 - 125	30

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



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

July 15, 2015

QA/QC Data

SDG I.D.: GBJ43890

Parameter	Blank	Bk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 313418 (), QC Sample No: BJ43889 (BJ43890)													
Total Solids	0.271	0.1	15.7	15.6	0.60	100						85 - 115	30
QA/QC Batch 313399 (PH), QC Sample No: BJ44011 (BJ43890)													
pH - Soil			6.21	6.06	2.40	99.2						85 - 115	20
QA/QC Batch 313656 (mg/L), QC Sample No: BJ44012 (BJ43890)													
Nitrogen Tot Kjeldahl	BRL	0.10	1.07	1.09	1.90	93.3			102			85 - 115	20
QA/QC Batch 313472 (mg/L), QC Sample No: BJ44468 (BJ43890)													
Nitrate as Nitrogen	BRL	0.05	<0.05	<0.05	NC	92.9			99.3			85 - 115	20
Nitrite as Nitrogen	BRL	0.004	<0.004	<0.004	NC	98.2			108			85 - 115	20



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

QA/QC Report

July 15, 2015

QA/QC Data

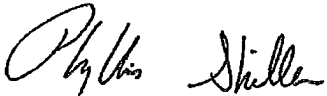
SDG I.D.: GBJ43890

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
QA/QC Batch 313129 (ug/Kg), QC Sample No: BJ41932 (BJ43890)										
<u>Polychlorinated Biphenyls - Sludge</u>										
PCB-1016	ND	13	86	50	52.9				40 - 140	30
PCB-1221	ND	13							40 - 140	30
PCB-1232	ND	13							40 - 140	30
PCB-1242	ND	13							40 - 140	30
PCB-1248	ND	13							40 - 140	30
PCB-1254	ND	13							40 - 140	30
PCB-1260	ND	13	100	63	45.4				40 - 140	30
PCB-1262	ND	13							40 - 140	30
PCB-1268	ND	13							40 - 140	30
% DCBP (Surrogate Rec)	102	%	117	64	58.6				30 - 150	30
% TCMX (Surrogate Rec)	78	%	89	51	54.3				30 - 150	30

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

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

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


 Phyllis Shiller, Laboratory Director
 July 15, 2015

Wednesday, July 15, 2015

Criteria: None

State: CT

SampNo Acode Phoenix Analyte

Criteria

Result

RL

Criteria

RL Analysis
Criteria Units

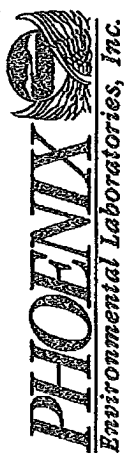
Sample Criteria Exceedences Report

GBJ43890 - VEOLIANA

*** 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 370, Manchester, CT 06040
 Email: info@phoenixlabs.com Fax (860) 645-0823
 Client Services (860) 645-8726

Cooler: Yes No
 Coolant: IPK ICE
 Temp 2 °C Pg 1 of 1

Data Delivery: Fax #: _____
 Email: tom.deller@veolia.com

Customer: Veolia Water, NA
 Address: 500 Cherry St Ext
 Naugatuck, Ct 06770
 Attn: Tom Deller

Project: Naugatuck
 Report to: Tom Deller
 Invoice to: 3rd Qtr
 Phone #: 203-723-1433 ext 2004
 Fax #: 203-723-8539

Project P.O.: 3rd Qtr

This section MUST be completed with Bottle Quantities.

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
43890	Sludge	SL	7/8/15	N/A	Asbestos, Beryllium, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, pH, PCBs, Selenium, Volatile solids, Total Solids, Fixed solids, Total Zinc, NO2, NO3, TKN, TON
					SAF VOA Vals [Methanol] H2O
					GL soil container [8] oz
					40 ml KOA Vial [X] as is [H2SO4]
					GL Amber 100ml [X] as is [HCl]
					PL H2SO4 [X] 250ml [1500ml]
					PL HNO3 250ml
					Bacteria Coli

Submitted by: [Signature] Accounted by: [Signature]
 Date: 7/15/15 Time: 12:54
 Turnaround: 1 Day* 2 Days* 3 Days* Standard Other

RI Direct Exposure (Residential) GW Other

CT RCP Cert GW Protection SW Protection GA Mobility GB Mobility Residential DEC IC 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

State where samples were collected: CT

* SURCHARGE APPLIES

Comments, Special Requirements or Regulations:
 3rd Qtr 2015 CASELLA YORKTOWN

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: Veolia Water, NA
 Address: 500 Cherry St Ext
 Naugatuck, Ct 06770
 Attn: Tom Deller

Project: Naugatuck
 Report to: Tom Deller
 Invoice to: 3rd Qtr 2015
 Phone #: 203-723-1433 ext 2004
 Fax #: 203-723-8539

Data Delivery:
 Fax #:
 Email: tom.deller@veolia.com

Sampler's Signature: *[Signature]* Date: 7/15/15
 Matrix Code: 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
	Sludge	SL	7/8/15	N/A	Asenic, Beryllium, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, pH, PCBs, Selenium, Vanilic Solids, Total Solids, Fixed Solids, Total Solids, NO ₂ , NO ₃ , TRN, TON
					Soil VOA Vals [Methanol] H ₂ O
					40 ml VOA Vial (X) As Is [HCl]
					GL Amber 1000ml (X) As Is [HCl]
					PL As Is [250ml] [500ml] [X] [H2SO4]
					PL H2SO4 (X) 250ml [500ml] [X] [H2SO4]
					PL HNO3 250ml [500ml] [X] [HNO3]
					Beckera Bottle

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

Date: 2015/7/19 Time: 12:54

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

Comments, Special Requirements or Regulations:
 3rd Qtr 2015 CASELLA YORKTOWN

State where samples were collected: CT

*SURCHARGE APPLIES

Coolant: Yes No
 IPK ICE No

Temp °C Pg of

This section MUST be completed with Bottle Quantities.

M20
~~2015-06-16~~

6-2015



Tuesday, June 16, 2015

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

Project ID: NAUGATUCK
Sample ID#s: BJ28319

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 16, 2015

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

Sample Information

Matrix: WASTE WATER
 Location Code: VEOLIANA
 Rush Request: Standard
 P.O.#: 7766000379

Custody Information

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

Date Time

06/04/15
 06/09/15 16:30

Laboratory Data

SDG ID: GBJ28319
 Phoenix ID: BJ28319

Project ID: NAUGATUCK
 Client ID: WASTEWATER

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	< 0.040	0.040	mg/L	1	06/11/15	EK	E200.7
Beryllium	< 0.010	0.010	mg/L	1	06/11/15	EK	E200.7
Cadmium	0.0005	0.0001	mg/L	1	06/15/15	RS	SM3113B
Chromium	0.137	0.010	mg/L	1	06/11/15	EK	E200.7
Copper	4.05	0.050	mg/L	1	06/11/15	EK	E200.7
Mercury	0.0017	0.0004	mg/L	1	06/11/15	RS	E245.1
Nickel	0.111	0.010	mg/L	1	06/11/15	LK	E200.7
Lead	0.225	0.020	mg/L	1	06/11/15	EK	E200.7
Selenium	< 0.001	0.001	mg/L	1	06/11/15	RS	SM3113B-10
Zinc	6.52	0.020	mg/L	1	06/11/15	EK	E200.7
Fixed Solids	3800	10	mg/L	1	06/10/15	KH	SM209D/E160.4
pH	7.25	0.10	pH Units	1	06/09/15 23:19	RR/EG	SM4500-H B-00
Total Solids	7900	100	mg/L	10	06/10/15	KH	SM2540B-97
Volatile Solids	4200	100	mg/L	1	06/10/15	KH	SM2540E/E160.4-9
Mercury Digestion	Completed				06/11/15	I/I	E245.1
PCB Extraction	Completed				06/09/15	L	SW3510C
Total Metals Digestion	Completed				06/10/15	AG	

Polychlorinated Biphenyls

PCB-1016	ND	5.0	ug/L	1	06/10/15	AW	E608
PCB-1221	ND	5.0	ug/L	1	06/10/15	AW	E608
PCB-1232	ND	5.0	ug/L	1	06/10/15	AW	E608
PCB-1242	ND	5.0	ug/L	1	06/10/15	AW	E608
PCB-1248	ND	5.0	ug/L	1	06/10/15	AW	E608
PCB-1254	ND	5.0	ug/L	1	06/10/15	AW	E608
PCB-1260	ND	5.0	ug/L	1	06/10/15	AW	E608
PCB-1262	ND	5.0	ug/L	1	06/10/15	AW	E608
PCB-1268	ND	5.0	ug/L	1	06/10/15	AW	E608

Project ID: NAUGATUCK
Client ID: WASTEWATER

Phoenix I.D.: BJ28319

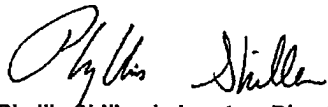
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>QA/QC Surrogates</u>							
% DCBP	45		%	1	08/10/15	AW	30 - 150 %
% TCMX	58		%	1	08/10/15	AW	30 - 150 %

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.

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 16, 2015

Reviewed and Released by: Deb Lawrie, Project Manager



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

June 16, 2015

QA/QC Data

SDG I.D.: GBJ28319

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 309725 (mg/L), QC Sample No: BJ25245 (BJ28319)													
Cadmium - Water	BRL	0.0001	<0.0001	<0.0001	NC	97.6	99.6	2.0	90.8	96.0	5.6	75 - 125	20
QA/QC Batch 309885 (mg/L), QC Sample No: BJ26452 (BJ28319)													
Selenium - Water	BRL	0.005	<0.002	<0.005	NC	104	102	1.9	102	103	1.0	75 - 125	20
QA/QC Batch 310251 (mg/L), QC Sample No: BJ28005 (BJ28319)													
ICP Metals - Aqueous													
Arsenic	BRL	0.004	<0.004	<0.004	NC	90.7	93.0	2.5	90.3	92.0	1.9	75 - 125	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	96.7	99.4	2.8	96.9	97.8	0.9	75 - 125	20
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
Nickel	BRL	0.001	<0.001	0.001	NC	93.1	95.3	2.3	92.2	93.9	1.8	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
QA/QC Batch 310458 (mg/L), QC Sample No: BJ28557 (BJ28319)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	109	105	3.7				70 - 130	20
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													



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

QA/QC Report

June 16, 2015

QA/QC Data

SDG I.D.: GBJ28319

Parameter	Blank	Bik RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 310313 (mg/L), QC Sample No: BJ27425 (BJ28319)													
Total Solids	BRL	10	990	970	2.00	97.0						85 - 115	20



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

June 16, 2015

QA/QC Data

SDG I.D.: GBJ28319

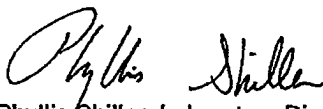
Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 310259 (ug/L), QC Sample No: BJ27951 (BJ28319)										
<u>Polychlorinated Biphenyls - Waste Water</u>										
PCB-1016	ND	0.050	92	102	10.3				40 - 140	20
PCB-1221	ND	0.050							40 - 140	20
PCB-1232	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 16, 2015

Sample Criteria Exceedences Report

Criteria: None

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----	----------------

*** 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.

Coolant: IPK ICE No No

Temp °C Pg of

CHAIN OF CUSTODY RECORD

Data Delivery: Fax # _____
 Email: tom.deller@veolia.com

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: Veolia Water, NA
 Address: 500 Cherry St Ext
 Naugatuck, Ct 06770
 Attn: Tom Deller

Project: Naugatuck
 Report to: Tom Deller
 Invoice to: [Redacted]
 Phone #: 203-723-1433 ext 2004
 Fax #: 203-723-8539

Sampler's Signature: *[Signature]* T. Deller 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

Client Sample - Information - Identification
 Customer Sample Identification: Wastewater
 Sample Matrix: WW
 Date Sampled: 6/4/15
 Time Sampled: N/A

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
	Wastewater	WW	6/4/15	N/A	Asenic, Beryllium, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, pH, PCBs, Selenium, Fixed Solids, Total Solids, Volatile Solids, Zinc
					Soil VOA Vial [methanol] H2O
					GL soil container (8) oz
					40 ml VOA Vial (X) As Is [H2SO4]
					GL Amber 1000ml (X) As Is [H2SO4]
					PL As Is [1250ml] 1500ml [X] H2SO4
					PL H2SO4 (X) 250ml [1500ml]
					PL H2SO4 (X) 250ml [1500ml]
					PL NaOH 250ml
					Bacteria Bottle

Relinquished by: *[Signature]* T. Deller Date: 6-9-15
 Accepted by: *[Signature]* Date: 6-9-15

Comments, Special Requirements or Regulations:
 Fox Run 2nd Qtr 2015

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

* SURCHARGE APPLIES

RI Direct Exposure (Residential)
 GW
 Other

CT RCP Cert
 GW Protection
 SW Protection
 GA Mobility
 GB Mobility
 Residential DEC
 IC 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

State where samples were collected: _____
 * SURCHARGE APPLIES

This section MUST be completed with Bottle Quantities.

M77
2015 4/10/15

10-2015



Thursday, October 29, 2015

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

Project ID: NAUGATUCK
Sample ID#s: BK12210

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
 October 29, 2015

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.#: 7766000379

Custody Information

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

Date Time
 10/21/15
 10/22/15 14:48

Laboratory Data

SDG ID: GBK12210
 Phoenix ID: BK12210

Project ID: NAUGATUCK
 Client ID: SLUDGE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	7.4	0.9	mg/Kg	1	10/23/15	EK	SW6010C
Beryllium	< 0.45	0.45	mg/Kg	1	10/23/15	EK	SW6010C
Cadmium	1.87	0.45	mg/Kg	1	10/23/15	EK	SW6010C
Chromium	30.1	0.45	mg/Kg	1	10/23/15	EK	SW6010C
Copper	1420	4.5	mg/Kg	10	10/23/15	EK	SW6010C
Mercury	0.91	0.10	mg/kg	1	10/23/15	RS	SW7471B
Nickel	23.4	0.45	mg/Kg	1	10/23/15	EK	SW6010C
Lead	70.3	0.45	mg/Kg	1	10/23/15	EK	SW6010C
Selenium	6.4	2.3	mg/Kg	1	10/23/15	EK	SW6010C
Zinc	931	4.5	mg/Kg	10	10/23/15	EK	SW6010C
Percent Solid	22.9	1	%				SW846-%Solid
Total Solids @ 104C	22.9	0.1	%	1	10/26/15	CL/KH	SM2540B-97
Fixed Solids @ 500C	39.7	0.1	%	1	10/26/15	CL/KH	E160.4
Nitrite as N	1.58	0.44	mg/kg	10	10/22/15	BS/EG	SW9056A
Nitrate as N	23.5	2.2	mg/kg	10	10/22/15	BS/EG	SW9056A
Organic Nitrogen	42400	360	mg/Kg	1	10/28/15	WHM	E350.1/E350.2
pH - Sludge	6.25	0.10	pH Units	1	10/22/15 23:40	DH/KDB	SW9045
Nitrogen Tot Kjeldahl	44000	1800	mg/Kg	1	10/28/15	WHM	E351.1
Total Nitrogen	44000	0.05	mg/Kg	1	10/28/15	RWR	SM4500NH3/E300.0
Volatile Solids @ 500C	60.3	0.1	%	1	10/26/15	CL/KH	SM2540E/E160.4-9
Mercury Digestion	Completed				10/23/15	I/I	SW7471B
Sludge Ext. for PCB	Completed				10/22/15	T/T	SW3550C
Total Metals Digest	Completed				10/22/15	NP/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	220	ug/Kg	1	10/23/15	AW	SW8082A
PCB-1221	ND	220	ug/Kg	1	10/23/15	AW	SW8082A
PCB-1232	ND	220	ug/Kg	1	10/23/15	AW	SW8082A

Project ID: NAUGATUCK
Client ID: SLUDGE

Phoenix I.D.: BK12210

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1242	ND	220	ug/Kg	1	10/23/15	AW	SW8082A
PCB-1248	ND	220	ug/Kg	1	10/23/15	AW	SW8082A
PCB-1254	ND	220	ug/Kg	1	10/23/15	AW	SW8082A
PCB-1260	ND	220	ug/Kg	1	10/23/15	AW	SW8082A
PCB-1262	ND	220	ug/Kg	1	10/23/15	AW	SW8082A
PCB-1268	ND	220	ug/Kg	1	10/23/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	148		%	1	10/23/15	AW	30 - 150 %
% TCMX	79		%	1	10/23/15	AW	30 - 150 %

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

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

October 29, 2015

Reviewed and Released by: Deb Lawrie, Project Manager



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

October 29, 2015

QA/QC Data

SDG I.D.: GBK12210

Parameter	Blank	Bk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 324436 (mg/kg), QC Sample No: BK12138 (BK12210)													
<u>ICP Metals - Soil</u>													
Arsenic	BRL	0.67	14.1	16.3	14.5	88.7	87.9	0.9	86.1	85.5	0.7	75 - 125	30
Beryllium	BRL	0.27	0.49	0.59	NC	92.3	88.5	4.2	91.0	90.2	0.9	75 - 125	30
Cadmium	BRL	0.33	0.48	0.37	NC	95.0	83.9	12.4	86.3	85.7	0.7	75 - 125	30
Chromium	BRL	0.33	21.2	26.9	23.7	91.2	88.7	2.8	95.1	93.8	1.4	75 - 125	30
Copper	BRL	0.33	78.1	77.5	0.80	95.2	91.5	4.0	99.1	95.8	3.4	75 - 125	30
Lead	BRL	0.33	138	149	7.70	91.0	96.7	6.1	83.4	81.6	2.2	75 - 125	30
Nickel	BRL	0.33	20.6	23.1	11.4	92.9	89.3	4.0	90.4	88.8	1.8	75 - 125	30
Selenium	BRL	1.3	<1.4	<1.3	NC	91.8	86.6	5.8	75.6	75.1	0.7	75 - 125	30
Zinc	BRL	0.33	95.8	95.0	0.80	96.4	91.9	4.8	89.8	90.4	0.7	75 - 125	30

QA/QC Batch 324499 (mg/kg), QC Sample No: BK12281 (BK12210)

Mercury - Soil	BRL	0.06	0.23	0.37	46.7	101	95.7	5.4	87.4	139	45.6	70 - 130	30	m,r
----------------	-----	------	------	------	------	-----	------	-----	------	-----	------	----------	----	-----

Comment:

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

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

October 29, 2015

QA/QC Data

SDG I.D.: GBK12210

Parameter	Blank	Bk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 324862 (mg/L), QC Sample No: BK12022 (BK12210)													
Nitrogen Tot Kjeldahl	BRL	0.10	0.32	0.33	NC	106			103			85 - 115	20
QA/QC Batch 324666 (mg/L), QC Sample No: BK12091 (BK12210)													
Nitrate as Nitrogen	BRL	0.05	0.08	0.09	NC	103			101			90 - 110	20
Nitrite as Nitrogen	BRL	0.01	<0.01	<0.01	NC	101			105			85 - 115	20
QA/QC Batch 324540 (PH), QC Sample No: BK12135 (BK12210)													
pH - Soil			7.64	7.58	0.80	100						85 - 115	20
QA/QC Batch 324716 (), QC Sample No: BK12209 (BK12210)													
Total Solids	BRL	0.1	2.90	2.94	1.40	100						85 - 115	30



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QA/QC Report

October 29, 2015

QA/QC Data

SDG I.D.: GBK12210

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
QA/QC Batch 323102 (ug/Kg), QC Sample No: BK03556 (BK12210)										
Polychlorinated Biphenyls - Sludge										
PCB-1016	ND	8.3	64	60	6.5				40 - 140	30
PCB-1221	ND	8.3							40 - 140	30
PCB-1232	ND	8.3							40 - 140	30
PCB-1242	ND	8.3							40 - 140	30
PCB-1248	ND	8.3							40 - 140	30
PCB-1254	ND	8.3							40 - 140	30
PCB-1260	ND	8.3	80	73	9.2				40 - 140	30
PCB-1262	ND	8.3							40 - 140	30
PCB-1268	ND	8.3							40 - 140	30
% DCBP (Surrogate Rec)	97	%	97	102	5.0				30 - 150	30
% TCMX (Surrogate Rec)	75	%	75	80	6.5				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
 Phyllis Shiller, Laboratory Director
 October 29, 2015

Sample Criteria Exceedences Report

GBK12210 - VEOLIANA

Criteria: None

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	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

Data Delivery: Fax # _____
 Email: tom.deller@veolia.com

Cooler: Yes No
 Coolant: ICE No
 Temp 2 °C Pg 2 of _____

Customer: Veolia Water, NA Project: Naugatuck
 Address: 500 Cherry St Ext Report to: Tom Deller
Naugatuck, Ct 06770 Invoice to: 4th Qtr 2015
 Attn: Tom Deller Phone #: 203-723-1433 ext 2004
 Fax #: 203-723-8539

This section MUST be completed with Bottle Quantities.

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
12210	Sludge	SL	10/21/15	N/A	Asenic, Beryllium, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, pH, PCBs, Selenium, Trihal solids, Total Solids, Volatile solids, Zinc
					NO2, NO3, TRH, TON
					sal VOA Male, Malonal, H2O
					40 ml VOA Yal x 1 As Is, HCl
					GL Soil container (8) oz
					GL Amber 100ml x 1 As Is, HCl
					PL H2SO4 X 125ml, 150ml (X) 1000ml
					PL HNO3 250ml
					Bacteria Bottle

Relinquished by: Tom Deller Accepted by: Tom Deller
 Date: 2015/10/21 Time: 13:17
 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 MWR eSMART Other
 Data Format: Excel PDF GIS/Key EQUIS Other
 Data Package: Tier II Checklist Full Data Package* Phoenix Std Report Other
 Turnaround: 1 Day* 2 Days* 3 Days* Standard Other
 Comments, Special Requirements or Regulations: 4th Qtr 2015 Walden
 State where samples were collected: _____
 * SURCHARGE APPLIES

lisa@phoenixlabs.com

From: Deller, Tom [tom.deller@veolia.com]
Sent: Friday, October 23, 2015 10:25 AM
To: Lisa - phoenixlab.com
Subject: Re: 4TH QTR [REDACTED]

yes please, thanks

Tom Deller
Lead Operator
Veolia Water
500 Cherry Street Ext
Naugatuck, Ct 06770
203-723-1433 ext 2004
tom.deller@veolia.com



On 23 October 2015 at 10:24, <lisa@phoenixlabs.com> wrote:

<<...>>

Good morning Tom,

How are you? I just want to confirm on this sludge sample that TOTAL & ORGANIC Nitrogen are needed?

Please let me know at your earliest convenience.

Thank you,

Lisa

10/23/2015

lisa@phoenixlabs.com

From: Deller, Tom [tom.deller@veolia.com]

Sent: Friday, October 23, 2015 10:25 AM

To: Lisa - phoenixlab.com

Subject: Re: 4TH QTR [REDACTED]

yes please, thanks

Tom Deller
Lead Operator
Veolia Water
500 Cherry Street Ext
Naugatuck, Ct 06770
203-723-1433 ext 2004
tom.deller@veolia.com



On 23 October 2015 at 10:24, <lisa@phoenixlabs.com> wrote:

<<...>>

Good morning Tom,

How are you? I just want to confirm on this sludge sample that TOTAL & ORGANIC Nitrogen are needed?

Please let me know at your earliest convenience.

Thank you,

Lisa

10/23/2015

Cooler: Yes No
 Coolant: IPK ICE No

Temp 22 °C Pg 2 of 2

CHAIN OF CUSTODY RECORD

Data Delivery: Fax #: _____
 Email: tom.deller@veolia.com

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: Veolia Water, NA
 Address: 500 Cherry St Ext
 Naugatuck, Ct 06770
 Attn: Tom Deller

Project: Naugatuck
 Report to: Tom Deller
 Invoice to: 4th Qtr 2015
 Phone #: 203-723-1433 ext 2004
 Fax #: 203-723-8639

Project P.O: 4th Qtr 2015

This section MUST be completed with Bottle Quantities.

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
12210	Sludge	SL	10/21/15	N/A	Asenic, Barium, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, pH, PCB's, selenium, Fixed solids, Total Solids, Volatile Solids, Zinc, NO2, NO3, TN, TON
					Salvage Valve [methanol] H2O
					GL Soil container (8) oz
					40 ml VOA Vial (x) As Is [H2SO4]
					GL Soil container (8) oz
					GL Anher 100ml (x) As Is [H2SO4]
					PL As Is [250ml] 150ml (X) 1000ml
					PL H2SO4 (X) 250ml [500ml] 1500ml
					PL HNO3 250ml
					Barteria Bottle

Refrigerated by: _____ Accepted by: Tom Deller
 Date: 2015/10/22 Time: 13:17
10/22/15 1448

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

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

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

RI Direct Exposure (Residential)
 GW
 Other

Data Format
 Excel
 PDF
 GIS/Key
 EQUIS
 Other

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

State where samples were collected: _____

* SURCHARGE APPLIES



Comments, Special Requirements or Regulations:

4th Qtr 2015 Walden

M-7
~~2nd QTR 2015~~



Friday, May 29, 2015

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

Project ID: NAUGATUCK
Sample ID#s: BJ13437

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
 May 29, 2015

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.#: 7766000379

Custody Information

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

Date Time

05/06/15
 05/07/15 15:20

Laboratory Data

SDG ID: GBJ13437
 Phoenix ID: BJ13437

Project ID: NAUGATUCK
 Client ID: WASTEWATER

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	2.2	1.1	mg/Kg	1	05/11/15	EK	SW6010C
Beryllium	< 0.54	0.54	mg/Kg	1	05/11/15	EK	SW6010C
Cadmium	< 0.54	0.54	mg/Kg	1	05/11/15	EK	SW6010C
Chromium	42.1	0.54	mg/Kg	1	05/11/15	EK	SW6010C
Copper	465	5.4	mg/Kg	10	05/11/15	EK	SW6010C
Mercury	< 0.42	0.42	mg/kg	1	05/08/15	RS	SW7471B
Nickel	11.3	0.54	mg/Kg	1	05/11/15	EK	SW6010C
Lead	8.19	0.54	mg/Kg	1	05/11/15	EK	SW6010C
Selenium	8.8	2.7	mg/Kg	1	05/11/15	EK	SW6010C
Zinc	526	5.4	mg/Kg	10	05/11/15	EK	SW6010C
Total Solids @ 104C	1.89	0.1	%	1	05/11/15	KH/CL	SM2540B-97
Fixed Solids @ 500C	37.8	0.1	%	1	05/11/15	KH/CL	E160.4
pH - Sludge	6.54	0.10	pH Units	1	05/07/15 21:00	DH/KDB	SW9045
Volatile Solids @ 500C	62.2	0.1	%	1	05/11/15	KH/CL	SM2540E/E160.4-9
Mercury Digestion	Completed				05/08/15	II	SW7471B
Sludge Ext. for PCB	Completed				05/08/15	M/M	SW3550C
Total Metals Digest	Completed				05/08/15	CB/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	5000	ug/Kg	1	05/09/15	AW	SW8082A
PCB-1221	ND	5000	ug/Kg	1	05/09/15	AW	SW8082A
PCB-1232	ND	5000	ug/Kg	1	05/09/15	AW	SW8082A
PCB-1242	ND	5000	ug/Kg	1	05/09/15	AW	SW8082A
PCB-1248	ND	5000	ug/Kg	1	05/09/15	AW	SW8082A
PCB-1254	ND	5000	ug/Kg	1	05/09/15	AW	SW8082A
PCB-1260	ND	5000	ug/Kg	1	05/09/15	AW	SW8082A
PCB-1262	ND	5000	ug/Kg	1	05/09/15	AW	SW8082A
PCB-1268	ND	5000	ug/Kg	1	05/09/15	AW	SW8082A

Project ID: NAUGATUCK
Client ID: WASTEWATER

Phoenix I.D.: BJ13437

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>QA/QC Surrogates</u>							
% DCBP	100		%	1	05/09/15	AW	30 - 150 %
% TCMX	72		%	1	05/09/15	AW	30 - 150 %

B = Present in blank, no bias suspected.

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

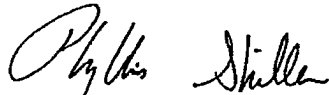
Comments:

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.

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Phyllis Shiller, Laboratory Director

May 29, 2015

Reviewed and Released by: Deb Lawrie, Project Manager



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

May 29, 2015

QA/QC Data

SDG I.D.: GBJ13437

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 307217 (mg/kg), QC Sample No: BJ13331 (BJ13437)													
<u>ICP Metals - Soil</u>													
Arsenic	BRL	0.71	2.8	2.86	NC	97.0	103	6.0	95.5	96.9	1.5	75 - 125	30
Beryllium	BRL	0.29	0.55	0.59	NC	96.1	100	4.0	96.9	98.3	1.4	75 - 125	30
Cadmium	BRL	0.36	<0.41	<0.42	NC	98.7	96.4	2.4	93.1	94.3	1.3	75 - 125	30
Chromium	BRL	0.36	17.9	19.3	7.50	94.4	98.0	3.7	99.3	101	1.7	75 - 125	30
Copper	0.96	0.36	9.98	8.78	12.8	94.6	96.9	2.4	100	104	3.9	75 - 125	30
Lead	BRL	0.36	93.7	85.7	8.90	95.6	98.0	2.5	75.7	>130	NC	75 - 125	30
Nickel	BRL	0.36	12.1	12.8	5.60	93.6	96.2	2.7	94.7	96.9	2.3	75 - 125	30
Selenium	BRL	1.4	<1.6	<1.7	NC	95.1	102	7.0	88.5	89.2	0.8	75 - 125	30
Zinc	0.49	0.36	61.5	53.8	13.4	91.8	96.8	5.3	87.3	89.4	2.4	75 - 125	30
QA/QC Batch 307258 (mg/kg), QC Sample No: BJ13331 (BJ13437)													
Mercury - Soil	BRL	0.06	<0.03	<0.03	NC	88.7	81.6	8.3	110	111	0.9	70 - 130	30
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													

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



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

May 29, 2015

QA/QC Data

SDG I.D.: GBJ13437

Parameter	Blank	Bik RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 307472 (), QC Sample No: BJ13165 (BJ13437)													
Total Solids	BRL	0.1	6.20	6.02	2.90	100						85 - 115	30
QA/QC Batch 307268 (PH), QC Sample No: BJ13340 (BJ13437)													
pH - Soil			8.45	8.41	0.50	98.8						85 - 115	20



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

May 29, 2015

QA/QC Data

SDG I.D.: GBJ13437

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
QA/QC Batch 307293 (ug/Kg), QC Sample No: BJ12075 (BJ13437)										
Polychlorinated Biphenyls - Sludge										
PCB-1016	ND	13	88	85	3.5				40 - 140	30
PCB-1221	ND	13							40 - 140	30
PCB-1232	ND	13							40 - 140	30
PCB-1242	ND	13							40 - 140	30
PCB-1248	ND	13							40 - 140	30
PCB-1254	ND	13							40 - 140	30
PCB-1260	ND	13	95	92	3.2				40 - 140	30
PCB-1262	ND	13							40 - 140	30
PCB-1268	ND	13							40 - 140	30
% DCBP (Surrogate Rec)	96	%	104	99	4.9				30 - 150	30
% TCMX (Surrogate Rec)	73	%	82	79	3.7				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
 Phyllis Shiller, Laboratory Director
 May 29, 2015

Sample Criteria Exceedences Report

GBJ13437 - VEOLIANA

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.

