

[Redacted]

M56



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 26, 2015

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

Sample Information

Matrix: SOLID
Location Code: SYN-FC
Rush Request: 24 Hour
P.O.#:

Custody Information

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

Date Time

05/20/15
05/21/15 16:32

Laboratory Data

SDG ID: GBJ20103
Phoenix ID: BJ20103

Project ID: [Redacted]
Client ID:

Parameter	Result	RL/ PQL	Units	Dilution	Date/Tim	By	Reference
Selenium	6.1	1.2	mg/Kg	1	05/22/15	LK	SW6010C
Total Solids @ 104C	4.64	0.1	%	1	05/21/15	RWR/KH	SM2540B-97
Total Metals Digest	Completed				05/21/15	CB/AG	SW3050B

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

May 26, 2015

Tuesday, May 26, 2015

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBJ20103 - SYN-FC

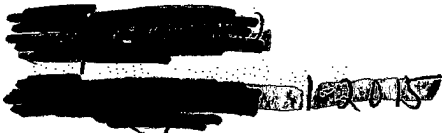
Page 1 of 1

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.

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CERTIFICATE OF ANALYSIS

Attn: Mr. Jim Nyberg

Date Received: 1/13/2015
Date Reported: 1/20/2015
P.O. #: 521-120557
Work Order #: 1501-00762

DESCRIPTION: STONINGTON BOROUGH WPCF - ATMR SLUDGE

Subject sample(s) has/have been analyzed by our Warwick, R.I. laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies.
The specific methodologies are listed in the methods column of the Certificate of Analysis.

Data qualifiers (if present) are explained in full at the end of a given sample's analytical results.
The Certificate of Analysis shall not be reproduced except in full, without written approval of R.I. Analytical.
Results relate only to samples submitted to the laboratory for analysis.
Test results are not blank corrected.

Certification #: RI LAI00033, MA M-RI015, CT PH-0508, ME RI00015
NH 2537, NY 11726

If you have any questions regarding this work, or if we may be of further assistance, please contact our customer service department.

Approved by:

Sharon Baker
MIS / Data Reporting
enc: Chain of Custody

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

United Water -
 Date Received: 1/13/2015
 Work Order #: 1501-00762

Sample # 001

SAMPLE DESCRIPTION: DEWATERED SLUDGE

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 1/13/2015 @ 08:45

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED	ANALYST
Total Solids	9.7		%	SM2540 G.	1/14/2015 14:40	AK
Total Volatile Solids	89	0.5	%	SM2540 E	1/14/2015 14:00	EC
Total fixed solids	11	0.5	%	SM2540 E	1/14/2015 14:00	EC
PCB						
Aroclor-1016	<0.2	0.2	mg/kg dry	SW-846 8082A	1/16/2015 21:51	JEB
Aroclor-1221	<0.2	0.2	mg/kg dry	SW-846 8082A	1/16/2015 21:51	JEB
Aroclor-1232	<0.2	0.2	mg/kg dry	SW-846 8082A	1/16/2015 21:51	JEB
Aroclor-1242	<0.2	0.2	mg/kg dry	SW-846 8082A	1/16/2015 21:51	JEB
Aroclor-1248	<0.2	0.2	mg/kg dry	SW-846 8082A	1/16/2015 21:51	JEB
Aroclor-1254	<0.2	0.2	mg/kg dry	SW-846 8082A	1/16/2015 21:51	JEB
Aroclor-1260	<0.2	0.2	mg/kg dry	SW-846 8082A	1/16/2015 21:51	JEB
Surrogate			RANGE	SW-846 8082A	1/16/2015 21:51	JEB
Tetrachloro-m-xylene (TCMX)	62		30-150%	SW-846 8082A	1/16/2015 21:51	JEB
Decachlorobiphenyl	43		30-150%	SW-846 8082A	1/16/2015 21:51	JEB
Extraction date				SW846 3546	1/15/2015 12:40	KS
Total Metals Analyzed by ICP						
Arsenic	<25	25	mg/kg dry	SW-846 6010C	1/14/2015 15:02	JRW
Beryllium	<0.50	0.50	mg/kg dry	SW-846 6010C	1/14/2015 15:02	JRW
Cadmium	<2.5	2.5	mg/kg dry	SW-846 6010C	1/14/2015 15:02	JRW
Chromium	47	15	mg/kg dry	SW-846 6010C	1/14/2015 15:02	JRW
Copper	<25	25	mg/kg dry	SW-846 6010C	1/14/2015 15:02	JRW
Lead	<20	20	mg/kg dry	SW-846 6010C	1/14/2015 15:02	JRW
Mercury	3.2	0.96	mg/kg dry	SW-846 7471B	1/15/2015 11:44	JRW
Nickel	<10	10	mg/kg dry	SW-846 6010C	1/14/2015 15:02	JRW
Zinc	240	20	mg/kg dry	SW-846 6010C	1/14/2015 15:02	JRW
ICP Digestion				SW-846 3050	1/14/2015 12:53	OMC
Mercury Digestion				SW-846 7471B	1/15/2015 10:20	JRW
Moisture	90.3		%	SM2540 G.	1/14/2015 14:40	AK

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10-2015

**ANALYTICAL
CONSULTING
TECHNOLOGY, INC**

168 Railroad Hill St., Waterbury, CT 06708 • (203) 757-3960 • Fax (203) 759-2155
www.actlabs.biz

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

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

Report Date: 10/23/2015

ACT Number: 2015100030 - 1 Sample Date: 10/07/2015 Date Received: 10/07/2015
Sample Type: Grab Sample Time: 07:00: Project number
Collected by: Client Sample Matrix: Sludge
Location/ID: Thickened Sludge
Description:

Laboratory Test	Result	Units	Method	Analysis Date	Analyst
<i>Inorganic</i>					
Fixed Solids	19.41	%	SM2540-G	10/09/2015 10:00:00 AM	EG
pH	6.96	S.U.	SM 4500-H+B	10/14/2015 04:30:00 PM	NS
Total Solids	1.86	%	SM2540B	10/09/2015 10:00:00 AM	EG
Volatile Solids	60.59	%	SM2540-GW	10/09/2015 10:00:00 AM	EG
<i>Metals</i>					
Arsenic, Total	<0.25	mg/Kg Dry	SW846-8010	10/12/2015 08:00:00 PM	DJC
Beryllium, Total	<0.25	mg/Kg Dry	SW846-8010	10/12/2015 08:00:00 PM	DJC
Cadmium, Total	2.1	mg/Kg Dry	SW846-8010	10/12/2015 08:00:00 PM	DJC
Chromium, Total	85.0	mg/Kg Dry	SW846-8010	10/12/2015 08:00:00 PM	DJC
Copper, Total	881	mg/Kg Dry	SW846-8010	10/12/2015 08:00:00 PM	DJC
Lead, Total	36	mg/Kg Dry	SW846-8010	10/12/2015 08:00:00 PM	DJC
Mercury, Total	0.45	mg/Kg Dry	SW846-7470	10/19/2015 01:58:00 PM	DJC
Nickel, Total	42.8	mg/Kg Dry	SW846-8010	10/12/2015 08:00:00 PM	DJC
Selenium, Total	<0.25	mg/Kg Dry	SW846-8010	10/12/2015 08:00:00 PM	DJC
Zinc, Total	627.3	mg/Kg Dry	SW846-8010	10/12/2015 08:00:00 PM	DJC



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Certified Laboratory
US EPA CT-021
CT PH-0518
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Page 2

Report Date: 10/23/2015

ACT Number: 2015100030 - 1 Sample Date: 10/07/2015 Date Received: 10/07/2015
Sample Type: Grab Sample Time: 07:00: Project number
Collected by: Client Sample Matrix: Sludge
Location/ID: Thickened Sludge
Description:

Laboratory Test	Result	Units	Method	Analysis Date	Analyst
PCB's					
Arochlor 1016	<1.0	mg/Kg Dry	SW846-8082A	10/21/2015 09:50:00 AM	RL
Arochlor 1221	<1.0	mg/Kg Dry	SW846-8082A	10/21/2015 09:50:00 AM	RL
Arochlor 1232	<1.0	mg/Kg Dry	SW846-8082A	10/21/2015 09:50:00 AM	RL
Arochlor 1242	<1.0	mg/Kg Dry	SW846-8082A	10/21/2015 09:50:00 AM	RL
Arochlor 1248	<1.0	mg/Kg Dry	SW846-8082A	10/21/2015 09:50:00 AM	RL
Arochlor 1254	<1.0	mg/Kg Dry	SW846-8082A	10/21/2015 09:50:00 AM	RL
Arochlor 1260	<1.0	mg/Kg Dry	SW846-8082A	10/21/2015 09:50:00 AM	RL

For Analytical Consulting Technology, Inc.

D. C. D.
Laboratory Director

2015100030

Environmental Analysis • Consulting

M15

VEOLIA [REDACTED] 11-2015



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 17, 2015

FOR: Attn: Mr. E. Chris Plate
Veolia Water North America

[REDACTED]

Sample Information

Matrix: SLUDGE
Location Code: VEOLIADAN
Rush Request: 72 Hour
P.O.#:

Custody Information

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

Date: 11/10/15
Time: 10:00
11/10/15 16:49

Laboratory Data

SDG ID: GBK20984
Phoenix ID: BK20984

Project ID:
Client ID: 9361 DEWATERED CAKE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	1	11/13/15	LK	SW6010C
TCLP Arsenic	< 0.10	0.10	mg/L	1	11/13/15	LK	SW6010C
TCLP Barium	< 0.10	0.10	mg/L	1	11/13/15	LK	SW6010C
TCLP Cadmium	< 0.050	0.050	mg/L	1	11/13/15	LK	SW6010C
TCLP Chromium	< 0.10	0.10	mg/L	1	11/13/15	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	11/13/15	RS	SW7470A
TCLP Lead	< 0.10	0.10	mg/L	1	11/13/15	LK	SW6010C
TCLP Selenium	< 0.10	0.10	mg/L	1	11/13/15	LK	SW6010C
TCLP Metals Digestion	Completed				11/13/15	W/W	SW3005A
Total Solids @ 104C	17.0	0.1	%	1	11/12/15	KH	SM2540B-97
pH - Sludge	7.46	0.10	pH Units	1	11/10/15 20:00	DH/KDB	SW9045
TCLP Digestion Mercury	Completed				11/13/15	W/W	SW7470A
TCLP Herbicides Extraction	Completed				11/13/15	W/K	SW8150 MOD
TCLP Extraction for Metals	Completed				11/12/15	W	SW1311
TCLP Extraction for Organics	Completed				11/12/15	W	SW1311
TCLP Pesticides Extraction	Completed				11/13/15	L	SW3510C
TCLP Semi-Volatile Extraction	Completed				11/13/15	L	SW3510C
TCLP Extraction Volatiles	Completed				11/12/15	Y	SW1311

TCLP Herbicides

2,4,5-TP (Silvex)	ND	4.2	ug/L	10	11/16/15	BB	SW8151A
2,4-D	ND	4.2	ug/L	10	11/16/15	BB	SW8151A

QA/QC Surrogates

% DCAA	73		%	10	11/16/15	BB	30 - 150 %
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TCLP Pesticides

4,4' -DDD	ND	1.0	ug/L	10	11/16/15	CE	SW8081B
4,4' -DDE	ND	1.0	ug/L	10	11/16/15	CE	SW8081B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,4' -DDT	ND	1.0	ug/L	10	11/16/15	CE	SW8081B
a-BHC	ND	0.50	ug/L	10	11/16/15	CE	SW8081B
Alachlor	ND	0.50	ug/L	10	11/16/15	CE	SW8081B
Aldrin	ND	0.50	ug/L	10	11/16/15	CE	SW8081B
b-BHC	ND	0.50	ug/L	10	11/16/15	CE	SW8081B
Chlordane	ND	5.0	ug/L	10	11/16/15	CE	SW8081B
d-BHC	ND	0.50	ug/L	10	11/16/15	CE	SW8081B
Dieldrin	ND	1.0	ug/L	10	11/16/15	CE	SW8081B
Endosulfan I	ND	0.50	ug/L	10	11/16/15	CE	SW8081B
Endosulfan II	ND	1.0	ug/L	10	11/16/15	CE	SW8081B
Endosulfan Sulfate	ND	1.0	ug/L	10	11/16/15	CE	SW8081B
Endrin	ND	1.0	ug/L	10	11/16/15	CE	SW8081B
Endrin Aldehyde	ND	1.0	ug/L	10	11/16/15	CE	SW8081B
g-BHC (Lindane)	ND	0.50	ug/L	10	11/16/15	CE	SW8081B
Heptachlor	ND	0.50	ug/L	10	11/16/15	CE	SW8081B
Heptachlor epoxide	ND	0.50	ug/L	10	11/16/15	CE	SW8081B
Methoxychlor	ND	0.50	ug/L	10	11/16/15	CE	SW8081B
Toxaphene	ND	20	ug/L	10	11/16/15	CE	SW8081B
<u>QA/QC Surrogates</u>							
%DCBP (Surrogate Rec)	69		%	10	11/16/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	81		%	10	11/16/15	CE	30 - 150 %
<u>TCLP Volatiles</u>							
1,1-Dichloroethene	ND	100	ug/L	20	11/13/15	HM	SW8260C
1,2-Dichloroethane	ND	100	ug/L	20	11/13/15	HM	SW8260C
Benzene	ND	100	ug/L	20	11/13/15	HM	SW8260C
Carbon tetrachloride	ND	100	ug/L	20	11/13/15	HM	SW8260C
Chlorobenzene	ND	100	ug/L	20	11/13/15	HM	SW8260C
Chloroform	ND	100	ug/L	20	11/13/15	HM	SW8260C
Methyl ethyl ketone	ND	100	ug/L	20	11/13/15	HM	SW8260C
Tetrachloroethene	ND	100	ug/L	20	11/13/15	HM	SW8260C
Trichloroethene	ND	100	ug/L	20	11/13/15	HM	SW8260C
Vinyl chloride	ND	100	ug/L	20	11/13/15	HM	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	20	11/13/15	HM	70 - 130 %
% Bromofluorobenzene	98		%	20	11/13/15	HM	70 - 130 %
% Dibromofluoromethane	104		%	20	11/13/15	HM	70 - 130 %
% Toluene-d8	99		%	20	11/13/15	HM	70 - 130 %
<u>TCLP Acid/Base-Neutral</u>							
1,4-Dichlorobenzene	ND	83	ug/L	1	11/16/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	83	ug/L	1	11/16/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	83	ug/L	1	11/16/15	DD	SW8270D
2,4-Dinitrotoluene	ND	83	ug/L	1	11/16/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	83	ug/L	1	11/16/15	DD	SW8270D
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	11/16/15	DD	SW8270D
Hexachlorobenzene	ND	83	ug/L	1	11/16/15	DD	SW8270D
Hexachlorobutadiene	ND	83	ug/L	1	11/16/15	DD	SW8270D
Hexachloroethane	ND	83	ug/L	1	11/16/15	DD	SW8270D
Nitrobenzene	ND	83	ug/L	1	11/16/15	DD	SW8270D

Project ID:
Client ID: 9361 DEWATERED CAKE

Phoenix I.D.: BK20984

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pentachlorophenol	ND	83	ug/L	1	11/16/15	DD	SW8270D
Pyridine	ND	83	ug/L	1	11/16/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	84		%	1	11/16/15	DD	15 - 110 %
% 2-Fluorobiphenyl	67		%	1	11/16/15	DD	30 - 130 %
% 2-Fluorophenol	49		%	1	11/16/15	DD	15 - 110 %
% Nitrobenzene-d5	71		%	1	11/16/15	DD	30 - 130 %
% Phenol-d5	45		%	1	11/16/15	DD	15 - 110 %
% Terphenyl-d14	75		%	1	11/16/15	DD	30 - 130 %

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.

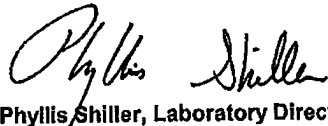
Comments:

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

Volatile Comment:
Elevated reporting limits due to the foamy nature of the sample.

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

November 17, 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

November 17, 2015

QA/QC Data

SDG I.D.: GBK20984

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 326636 (mg/L), QC Sample No: BK21355 (BK20984)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	102	107	4.8	92.6	89.6	3.3	70 - 130	20
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 326510 (mg/L), QC Sample No: BK21390 (BK20984)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	0.01	<0.01	<0.01	NC	112	113	0.9	113	112	0.9	75 - 125	20
Barium	BRL	0.01	0.32	0.31	3.20	102	103	1.0	101	100	1.0	75 - 125	20
Cadmium	BRL	0.005	<0.005	<0.005	NC	102	106	3.8	103	103	0.0	75 - 125	20
Chromium	BRL	0.010	<0.010	<0.010	NC	106	108	1.9	106	107	0.9	75 - 125	20
Lead	BRL	0.010	0.012	0.011	NC	106	108	1.9	106	107	0.9	75 - 125	20
Selenium	BRL	0.01	<0.01	<0.01	NC	116	116	0.0	116	115	0.9	75 - 125	20
Silver	BRL	0.010	<0.010	<0.010	NC	111	113	1.8	113	113	0.0	75 - 125	20



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QA/QC Report

November 17, 2015

QA/QC Data

SDG I.D.: GBK20984

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 326376 (), QC Sample No: BK20831 (BK20984)													
Total Solids	BRL	0.1	18.6	18.6	0	100						85 - 115	30
QA/QC Batch 326369 (PH), QC Sample No: BK21016 (BK20984)													
pH - Soil			8.41	8.46	0.60	99.2						85 - 115	20



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QA/QC Report
 November 17, 2015

QA/QC Data

SDG I.D.: GBK20984

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
QA/QC Batch 326378 (ug/L), QC Sample No: BK20072 2X (BK20984)										
Chlorinated Herbicides										
2,4,5-TP (Silvex)	ND	0.25	71	71	0.0				40 - 140	20
2,4-D	ND	0.25	70	72	2.8				40 - 140	20
% DCAA (Surrogate Rec)	46	%	68	69	1.5				30 - 150	20
QA/QC Batch 326611 (ug/L), QC Sample No: BK21779 10X (BK20984)										
Pesticides										
4,4' -DDD	ND	0.25	87	81	7.1				40 - 140	20
4,4' -DDE	ND	0.25	80	71	11.9				40 - 140	20
4,4' -DDT	ND	0.25	85	72	16.6				40 - 140	20
a-BHC	ND	0.15	75	71	5.5				40 - 140	20
a-Chlordane	ND	0.50	80	75	6.5				40 - 140	20
Alachlor	ND	0.50	NA	NA	NC				40 - 140	20
Aldrin	ND	0.15	73	70	4.2				40 - 140	20
b-BHC	ND	0.15	78	74	5.3				40 - 140	20
Chlordane	ND	5.0	75	70	6.9				40 - 140	20
d-BHC	ND	0.50	74	69	7.0				40 - 140	20
Dieldrin	ND	0.15	78	71	9.4				40 - 140	20
Endosulfan I	ND	0.50	86	80	7.2				40 - 140	20
Endosulfan II	ND	0.50	88	79	10.8				40 - 140	20
Endosulfan sulfate	ND	0.50	77	71	8.1				40 - 140	20
Endrin	ND	0.50	85	80	6.1				40 - 140	20
Endrin aldehyde	ND	0.50	83	81	2.4				40 - 140	20
g-BHC	ND	0.15	80	75	6.5				40 - 140	20
g-Chlordane	ND	0.50	75	70	6.9				40 - 140	20
Heptachlor	ND	0.50	75	71	5.5				40 - 140	20
Heptachlor epoxide	ND	0.50	84	77	8.7				40 - 140	20
Methoxychlor	ND	0.50	87	80	8.4				40 - 140	20
Toxaphene	ND	20	NA	NA	NC				40 - 140	20
% DCBP	81	%	89	86	3.4				30 - 150	20
% TCMX	60	%	69	67	2.9				30 - 150	20
QA/QC Batch 326608 (ug/L), QC Sample No: BK21779 (BK20984)										
Semivolatiles										
1,4-Dichlorobenzene	ND	17	78	74	5.3				30 - 130	20
2,4,5-Trichlorophenol	ND	17	99	100	1.0				30 - 130	20
2,4,6-Trichlorophenol	ND	17	102	101	1.0				30 - 130	20
2,4-Dinitrotoluene	ND	58	102	103	1.0				30 - 130	20
2-Methylphenol (o-cresol)	ND	17	81	73	10.4				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	17	96	84	13.3				30 - 130	20
Hexachlorobenzene	ND	58	100	101	1.0				30 - 130	20
Hexachlorobutadiene	ND	58	86	85	1.2				30 - 130	20
Hexachloroethane	ND	58	82	80	2.5				30 - 130	20

QA/QC Data

SDG I.D.: GBK20984

Parameter	Blank	Bik RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Nitrobenzene	ND	58	99	92	7.3				30 - 130	20
Pentachlorophenol	ND	58	101	102	1.0				30 - 130	20
Pyridine	ND	83	27	25	7.7				30 - 130	20
% 2,4,6-Tribromophenol	77	%	112	104	7.4				15 - 110	20
% 2-Fluorobiphenyl	68	%	98	97	1.0				30 - 130	20
% 2-Fluorophenol	51	%	64	60	6.5				15 - 110	20
% Nitrobenzene-d5	71	%	95	91	4.3				30 - 130	20
% Phenol-d5	44	%	57	56	1.8				15 - 110	20
% Terphenyl-d14	79	%	108	100	7.7				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 Batch 326704 (ug/L), QC Sample No: BK22024 (BK20984 (20X))

Volatiles - TCLP

1,1-Dichloroethene	ND	5.0	77	81	5.1				70 - 130	30
1,2-Dichloroethane	ND	0.60	77	81	5.1				70 - 130	30
Benzene	ND	0.70	75	78	3.9				70 - 130	30
Carbon tetrachloride	ND	5.0	78	81	3.8				70 - 130	30
Chlorobenzene	ND	1.0	78	81	3.8				70 - 130	30
Chloroform	ND	5.0	77	79	2.6				70 - 130	30
Methyl ethyl ketone	ND	5.0	79	77	2.6				70 - 130	30
Tetrachloroethene	ND	1.0	82	86	4.8				70 - 130	30
Trichloroethene	ND	5.0	82	83	1.2				70 - 130	30
Vinyl chloride	ND	5.0	78	81	3.8				70 - 130	30
% 1,2-dichlorobenzene-d4	102	%	101	101	0.0				70 - 130	30
% Bromofluorobenzene	100	%	100	100	0.0				70 - 130	30
% Dibromofluoromethane	105	%	105	108	2.8				70 - 130	30
% Toluene-d8	100	%	101	102	1.0				70 - 130	30

Comment:

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

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

I = This parameter is outside laboratory LCS/LCSD 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
 November 17, 2015

Tuesday, November 17, 2015

Page 1 of 1

Sample Criteria Exceedences Report

GBK20984 - VEOLIADAN

Criteria: None

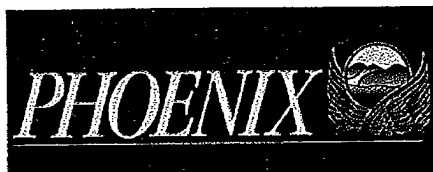
State: CT

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.





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, 2015

FOR: Attn: Mr. E. Chris Plate
 Veolia Water North America
 Newtown Road
 Danbury, CT 06810

Sample Information

Matrix: WASTE WATER
 Location Code: VEOLIADAN
 Rush Request: 72 Hour
 P.O.#:

Custody Information

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

Date Time
 11/12/15 8:30
 11/12/15 16:34

Laboratory Data

SDG ID: GBK22210
 Phoenix ID: BK22210

Project ID:
 Client ID: 9369 DEWATERED CAKE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	< 1.3	1.3	mg/Kg	1	11/13/15	LK	E200.7
Beryllium	< 0.64	0.64	mg/Kg	1	11/13/15	LK	E200.7
Cadmium	1.22	0.64	mg/Kg	1	11/13/15	LK	E200.7
Chromium	64.0	0.64	mg/Kg	1	11/13/15	LK	E200.7
Copper	826	6.4	mg/Kg	10	11/13/15	LK	E200.7
Mercury	0.34	0.14	mg/kg	1	11/16/15	RS	SW7471B
Nickel	19.3	0.64	mg/Kg	1	11/13/15	LK	E200.7
Lead	43.4	0.64	mg/Kg	1	11/13/15	LK	E200.7
Zinc	955	6.4	mg/Kg	10	11/13/15	LK	E200.7
Total Solids @ 104C	17.8	0.1	%	1	11/16/15	KH	SM2540B-97
Fixed Solids @ 500C	33.8	0.1	%	1	11/16/15	KH	E160.4
Volatile Solids @ 500C	66.2	0.1	%	1	11/16/15	KH	SM2540E/E160.4-97
Mercury Digestion	Completed				11/16/15	W/W	SW7471B
Sludge Ext. for PCB	Completed				11/12/15	B/T	SW3550C
Total Metals Digest	Completed				11/12/15	G/G	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	270	ug/Kg	1	11/14/15	AW	SW8082A
PCB-1221	ND	270	ug/Kg	1	11/14/15	AW	SW8082A
PCB-1232	ND	270	ug/Kg	1	11/14/15	AW	SW8082A
PCB-1242	ND	270	ug/Kg	1	11/14/15	AW	SW8082A
PCB-1248	ND	270	ug/Kg	1	11/14/15	AW	SW8082A
PCB-1254	ND	270	ug/Kg	1	11/14/15	AW	SW8082A
PCB-1260	ND	270	ug/Kg	1	11/14/15	AW	SW8082A
PCB-1262	ND	270	ug/Kg	1	11/14/15	AW	SW8082A
PCB-1268	ND	270	ug/Kg	1	11/14/15	AW	SW8082A

QA/QC Surrogates

% DCBP	96		%	1	11/14/15	AW	30 - 150 %
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Project ID:
Client ID: 9369 DEWATERED CAKE

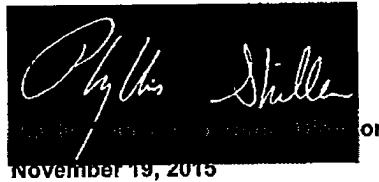
Phoenix I.D.: BK22210

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	61		%	1	11/14/15	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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 Stiller
November 19, 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
 November 19, 2015

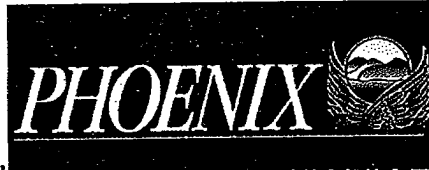
QA/QC Data

SDG I.D.: GBK22210

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 326792 (mg/kg), QC Sample No: BK22337 (BK22210)													
Mercury - Soil	BRL	0.06	<0.03	<0.03	NC	82.3	80.3	2.5	108	99.8	7.9	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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Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

November 19, 2015

QA/QC Data

SDG I.D.: GBK22210

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 326809 (), QC Sample No: BK22588 (BK22210)													
Total Solids	BRL	0.1	97.8	98.0	0.20	100						85 - 115	30



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

November 19, 2015

QA/QC Data

SDG I.D.: GBK22210

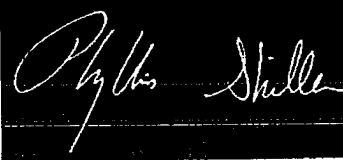
Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 326439 (ug/Kg), QC Sample No: BK20781 (BK22210)										
<u>Polychlorinated Biphenyls</u>										
PCB-1016	ND	8.3	65	64	1.6				40 - 140	30
PCB-1221	ND	8.3							40 - 140	30
PCB-1232	ND	8.3							40 - 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	81	1.2				40 - 140	30
PCB-1262	ND	8.3							40 - 140	30
PCB-1268	ND	8.3							40 - 140	30
% DCBP (Surrogate Rec)	83	%	84	82	2.4				30 - 150	30
% TCMX (Surrogate Rec)	60	%	65	60	8.0				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



Director

November 19, 2015

Sample Criteria Exceedences Report

GBK22210 - VEOLIADAN

Thursday, November 19, 2015

Criteria: None

State: CT

SampNo Acode Phoenix Analyte

Criteria

Result

RL

Criteria

RL
Criteria

Analysis
Units

*** No Data to Display ***

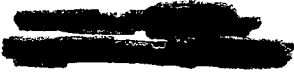
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M45

Report Date..... 23-Sep-15
EML Project ID..... 150908-EOS-C
Your Project ID..... Quarterly Sludge
Sample ID.....

Date Sampled..... 8-Sep-15
Date Submitted..... 8-Sep-15

VEOLIA WATER



ND = Not Detected.

Attn: Mr. Mark Barrows

Parameter	Results (dry weight)	Method	Det.Limit	Units	Completed	
					Date	Time
Ammonia as N	6313.	SM 4500-NH ₃	<1	mg/Kg	21-Sep-15	1500
Total Organic Nitrogen	13528.	SM 4500-Norg	<1	mg/Kg	21-Sep-15	1500
Nitrate as N	ND	SM 4500-NO ₃	<1	mg/Kg	10-Sep-15	1600
Nitrite as N	43.85	SM 4500-NO ₃	<1	mg/Kg	10-Sep-15	1600
Total Nitrogen	19885.		<1	mg/Kg	21-Sep-15	1500
Total Phosphorus as P	9187.	SM 4500-PE	<0.5	mg/Kg	14-Sep-15	1621
pH	6.5	SW846 9045C	—	S.U.	8-Sep-15	1430
Total Solids	5.04	SM 2540G	—	%w/w	11-Sep-15	1700
Fixed Solids	23.98	SM 2540G	—	%w/w	14-Sep-15	1700
Volatile Solids	76.02	SM 2540G	—	%w/w	14-Sep-15	1700
Arsenic	0.65	SW846 7060A	<0.2	mg/Kg	14-Sep-15	1022
Beryllium	ND	SW846 6010B	<0.2	mg/Kg	9-Sep-15	2257
Cadmium	0.22	SW846 6010B	<0.1	mg/Kg	9-Sep-15	2257
Chromium	16.84	SW846 6010B	<0.2	mg/Kg	9-Sep-15	2257
Copper	974.	SW846 6010B	<0.2	mg/Kg	9-Sep-15	2257
Lead	55.91	SW846 6010B	<0.5	mg/Kg	9-Sep-15	2257
Mercury	0.33	SW846 7471A	<0.02	mg/Kg	14-Sep-15	1700
Molybdenum	22.85	SW846 6010B	<0.2	mg/Kg	11-Sep-15	1406
Nickel	17.10	SW846 6010B	<0.2	mg/Kg	9-Sep-15	2257
Selenium	0.37	SW846 7740	<0.2	mg/Kg	9-Sep-15	1433
Zinc	1075.	SW846 6010B	<0.2	mg/Kg	9-Sep-15	2257
Polychlorinated biphenyls* (PCBs)	ND	SW846 8082	<1	mg/Kg	21-Sep-15	1700
ETPH	12500.	CT-ETPH	<10	mg/Kg	11-Sep-15	1700

* Any or sum of USEPA-regulated Arochlor

Tab:EOS-s

Technical Reviewer: [Signature]

Title: [Signature]

Transcript Reviewer: [Signature]

Title: AZM



ENVIRONMENTAL MONITORING LABORATORY, INC.

M70

**ANALYTICAL
CONSULTING
TECHNOLOGY, INC**



6-2015

Certified Laboratory
US EPA CT-021
CT PH-0818
EMail actlabs@shcglobal.net

168 Railroad Hill St., Waterbury, CT 06708 • (203) 757-3960 • Fax (203) 759-2155
www.actlabs.biz



Report Date: 08/01/2015

ACT Number: 2015050030 - 1 Sample Date: 05/08/2015 Date Received: 05/08/2015
Sample Type: Composite Sample Time: 08:00 Project number
Collected by: Client Sample Matrix: Sludge
Location/ID: Thickened Sludge
Description:

Laboratory Test	Result	Units	Method	Analysis Date	Analyst
<i>Inorganic</i>					
Fixed Solids	29	%	SM2540-GIF	05/08/2015 04:00:00 PM	RAB
Total Solids	14	%	SM2540B	05/08/2015 04:00:00 PM	RAB
Volatile Solids	71	%	SM2540-GIV	05/08/2015 04:00:00 PM	RAB
<i>Metals</i>					
Arsenic, Total	<0.25	mg/Kg Dry	SW846-8010	05/14/2015 01:28:00 PM	DJC
Beryllium, Total	<0.25	mg/Kg Dry	SW846-8010	05/14/2015 01:28:00 PM	DJC
Cadmium, Total	<10.0	mg/Kg Dry	SW846-8010	05/14/2015 01:28:00 PM	DJC
Chromium, Total	16.7	mg/Kg Dry	SW846-8010	05/14/2015 01:28:00 PM	DJC
Copper, Total	348	mg/Kg Dry	SW846-8010	05/14/2015 01:28:00 PM	DJC
Lead, Total	29.6	mg/Kg Dry	SW846-8010	05/14/2015 01:28:00 PM	DJC
Mercury, Total	0.51	mg/Kg Dry	SW846-7470	05/15/2015 11:28:00 AM	DJC
Nickel, Total	13.3	mg/Kg Dry	SW846-8010	05/14/2015 01:28:00 PM	DJC
Selenium, Total	<0.25	mg/Kg Dry	SW846-8010	05/14/2015 01:28:00 PM	DJC
Zinc, Total	456	mg/Kg Dry	SW846-8010	05/14/2015 01:28:00 PM	JK

**ANALYTICAL
CONSULTING
TECHNOLOGY, INC**

Certified Laboratory

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

168 Railroad Hill St., Waterbury, CT 06708 • (203) 757-3960 • Fax (203) 759-2155
www.actlabs.biz

[REDACTED]
[REDACTED]
[REDACTED]

Page 2

Report Date: 08/01/2015

ACT Number: 2015050030 - 1 Sample Date: 05/08/2015 Date Received: 05/06/2015
Sample Type: Composite Sample Time: 08:00: Project number
Collected by: Client Sample Matrix: Sludge
Location/ID: Thickened Sludge
Description:

Laboratory Test	Result	Units	Method	Analysis Date	Analyst
<i>PCB's</i>					
Arochlor 1016	<1.0	mg/Kg Dry	SW846-8082A	05/26/2015 07:57:00 PM	RL
Arochlor 1221	<1.0	mg/Kg Dry	SW846-8082A	05/26/2015 07:57:00 PM	RL
Arochlor 1232	<1.0	mg/Kg Dry	SW846-8082A	05/26/2015 07:57:00 PM	RL
Arochlor 1242	<1.0	mg/Kg Dry	SW846-8082A	05/26/2015 07:57:00 PM	RL
Arochlor 1248	<1.0	mg/Kg Dry	SW846-8082A	05/26/2015 07:57:00 PM	RL
Arochlor 1254	<1.0	mg/Kg Dry	SW846-8082A	05/26/2015 07:57:00 PM	RL
Arochlor 1260	<1.0	mg/Kg Dry	SW846-8082A	05/26/2015 07:57:00 PM	RL

For Analytical Consulting Technology, Inc.


Laboratory Director

2015050030

Veolia ~~XXXXXXXXXX~~
4-2015 M31



Monday, April 27, 2015

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

Project ID: NAUGATUCK
Sample ID#s: BJ06278

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

April 27, 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.#: [REDACTED]

Custody Information

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

Date

04/22/15

Time

15:58

Laboratory Data

SDG ID: GBJ06278

Phoenix ID: BJ06278

Project ID: NAUGATUCK
Client ID: WASTEWATER

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	< 0.004	0.004	mg/L	1	04/24/15	LK	E200.7
Beryllium	< 0.001	0.001	mg/L	1	04/24/15	LK	E200.7
Cadmium	< 0.001	0.001	mg/L	1	04/24/15	LK	E200.7
Chromium	0.003	0.001	mg/L	1	04/24/15	LK	E200.7
Copper	0.250	0.005	mg/L	1	04/24/15	LK	E200.7
Mercury	< 0.0002	0.0002	mg/L	1	04/24/15	RS	E245.1
Nickel	0.006	0.001	mg/L	1	04/24/15	LK	E200.7
Lead	0.005	0.002	mg/L	1	04/24/15	LK	E200.7
Selenium	< 0.010	0.010	mg/L	1	04/24/15	LK	E200.7
Zinc	0.201	0.002	mg/L	1	04/24/15	LK	E200.7
Fixed Solids	680	10	mg/L	1	04/23/15	KH	SM209D/E160.4
pH	7.92	0.10	pH Units	1	04/23/15 05:35	BS/EG	SM4500-H B-00
Total Solids	900	20	mg/L	2	04/23/15	KH	SM2540B-97
Volatile Solids	220	20	mg/L	1	04/23/15	KH	SM2540E/E160.4-9
Mercury Digestion	Completed				04/24/15		E245.1
PCB Extraction	Completed				04/22/15	L	SW3510C
Total Metals Digestion	Completed				04/22/15	AG	

Polychlorinated Biphenyls

PCB-1016	ND	5.0	ug/L	1	04/23/15	AW	E608
PCB-1221	ND	5.0	ug/L	1	04/23/15	AW	E608
PCB-1232	ND	5.0	ug/L	1	04/23/15	AW	E608
PCB-1242	ND	5.0	ug/L	1	04/23/15	AW	E608
PCB-1248	ND	5.0	ug/L	1	04/23/15	AW	E608
PCB-1254	ND	5.0	ug/L	1	04/23/15	AW	E608
PCB-1260	ND	5.0	ug/L	1	04/23/15	AW	E608
PCB-1262	ND	5.0	ug/L	1	04/23/15	AW	E608
PCB-1268	ND	5.0	ug/L	1	04/23/15	AW	E608

Project ID: NAUGATUCK
Client ID: WASTEWATER

Phoenix I.D.: BJ06278

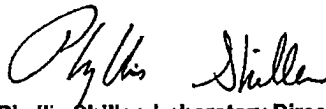
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>QA/QC Surrogates</u>							
% DCBP	78		%	1	04/23/15	AW	30 - 150 %
% TCMX	66		%	1	04/23/15	AW	30 - 150 %

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

April 27, 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

April 27, 2015

QA/QC Data

SDG I.D.: GBJ06278

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 305670 (mg/L), QC Sample No: BJ06758 (BJ06278)

ICP Metals - Aqueous

Arsenic	BRL	0.004	<0.004	<0.004	NC	96.2	98.5	2.4	101	98.7	2.3	75 - 125	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	98.1	99.0	0.9	99.5	98.3	1.2	75 - 125	20
Cadmium	BRL	0.001	<0.001	<0.001	NC	97.5	98.8	1.3	95.4	94.8	0.6	75 - 125	20
Chromium	BRL	0.001	0.001	<0.001	NC	95.6	97.8	2.3	95.6	93.9	1.8	75 - 125	20
Copper	BRL	0.005	0.064	0.065	1.60	98.7	100	1.3	101	98.2	2.8	75 - 125	20
Lead	BRL	0.002	<0.002	<0.002	NC	96.6	99.0	2.5	95.6	93.8	1.9	75 - 125	20
Nickel	BRL	0.001	0.006	0.006	0	100	102	2.0	98.4	96.5	1.9	75 - 125	20
Selenium	BRL	0.010	<0.010	<0.010	NC	94.2	96.0	1.9	95.8	93.9	2.0	75 - 125	20
Zinc	BRL	0.002	0.018	0.019	5.40	97.0	98.1	1.1	99.2	97.8	1.4	75 - 125	20

QA/QC Batch 305567 (mg/L), QC Sample No: BJ06810 (BJ06278)

Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	105	103	1.9	106	102	3.8	70 - 130	20
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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

April 27, 2015

QA/QC Data

SDG I.D.: GBJ06278

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 305587 (mg/L), QC Sample No: BJ05537 (BJ06278)													
Total Solids	BRL	10	520	540	3.80	98.0						85 - 115	20
QA/QC Batch 305596 (pH), QC Sample No: BJ06212 (BJ06278)													
pH			6.62	6.69	1.10	97.9						85 - 115	20
QA/QC Batch 305617 (pH), QC Sample No: BJ06212 (BJ06278)													
pH			6.62	6.69	1.10	97.9						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
 April 27, 2015

QA/QC Data

SDG I.D.: GBJ06278


Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 305390 (ug/L), QC Sample No: BJ05630 (BJ06278)										
<u>Polychlorinated Biphenyls - Waste Water</u>										
PCB-1016		ND 0.050	101	98	3.0				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	123	116	5.9				40 - 140	20
PCB-1262		ND 0.050							40 - 140	20
PCB-1268		ND 0.050							40 - 140	20
% DCBP (Surrogate Rec)		83 %	89	97	8.6				30 - 150	20
% TCMX (Surrogate Rec)		63 %	80	82	2.5				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
 April 27, 2015

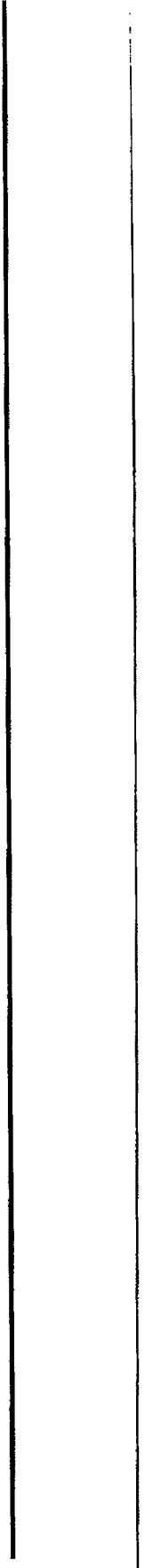
Sample Criteria Exceedences Report

GBJ06278 - 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.



Cooler: Yes No
 Coolant: IPK ICE
 Temp C Pg of

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: [Redacted]
 Phone #: 203-723-1433 ext 2004
 Fax #: 203-723-8539

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

Project P.O. #: [Redacted]

This section MUST be completed with Bottle Quantities

Sampler's Signature: *[Signature]* Date: 4-22-15
 Matrix Code: DW=Drinking Water GW=Ground Water SW=Surface Water WM=Waste Water
 RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
 OIL=Oil B=Bulk L=Liquid

Customer Sample Identification: Wastewater
 Sample Matrix: WW
 Date Sampled: 4/22/15
 Time Sampled: N/A

Analysis Request

Asenic, Barium, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, PL, PCBs, Selenium, Fixed Solids, Total Solids	X	X	X	X	X
Volatle Solids, Zinc					
40 ml VOA Vial (Metal) H2O					
GL Soil container (8) oz					
GL VOA Vial (X) 250ml (X) 500ml (X) 100-ml					
PL H2SO4 (X) 250ml (X) 500ml (X) 100-ml					
PL HNO3 250ml					
PL NaOH 250ml					
Bacteria Bottle					

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Date	Time	RI	CT	MA	Data Format
010278	Wastewater	WW	4/22/15	N/A	4-22-15	2:15	<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"/> IC-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
					4/22/15	15:58				

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

* SURCHARGE APPLIES

State where samples were collected: _____

* SURCHARGE APPLIES

Relinquished by: *[Signature]* Accepted by: *[Signature]*
 Comments, Special Requirements or Regulations:
 IBM Southbury 2nd Qtr 2015

MS4

~~Veolia~~ [Redacted]

7-2015



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 23, 2015

FOR: Attn: Mr. George Ciccone
Veolia Water North America
P.O. Box 300
Georgetown, CT 06829-0300

<u>Sample Information</u>	<u>Custody Information</u>	<u>Date</u>	<u>Time</u>
Matrix: SLUDGE	Collected by: GC	07/07/15	10:00
Location Code: VEOLIARE	Received by: LB	07/07/15	14:42
Rush Request: Standard	Analyzed by: see "By" below		
P.O.#:			

Laboratory Data

SDG ID: GBJ42014
Phoenix ID: BJ42023

Project ID: [Redacted] 2003403
Client ID: WASTE SLUDGE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	< 2.8	2.8	mg/Kg	1	07/09/15	LK	SW6010C
Beryllium	< 1.4	1.4	mg/Kg	1	07/09/15	LK	SW6010C
Cadmium	< 1.4	1.4	mg/Kg	1	07/09/15	LK	SW6010C
Chromium	18.1	1.4	mg/Kg	1	07/09/15	LK	SW6010C
Copper	780	14	mg/Kg	10	07/09/15	LK	SW6010C
Mercury	0.64	0.40	mg/kg	1	07/08/15	RS	SW7471B
Nickel	16.1	1.4	mg/Kg	1	07/09/15	LK	SW6010C
Lead	11.1	1.4	mg/Kg	1	07/09/15	LK	SW6010C
Selenium	< 7.0	7.0	mg/Kg	1	07/09/15	LK	SW6010C
Zinc	1040	14	mg/Kg	10	07/09/15	LK	SW6010C
Percent Solid	6.23	1	%				SW846-%Solid
Total Solids @ 104C	6.23	0.1	%	1	07/09/15	KH/TM	SM2540B-97
Fixed Solids @ 500C	19.0	0.1	%	1	07/09/15	KH/TM	E160.4
pH - Sludge	6.63	0.10	pH Units	1	07/07/15 20:00	DH/KDB	SW9045
Volatile Solids @ 500C	81.0	0.1	%	1	07/09/15	KH/TM	SM2540E/E160.4-9
Mercury Digestion	Completed				07/08/15	II	SW7471B
Sludge Ext. for PCB	Completed				07/08/15	M/M	SW3550C
Total Metals Digest	Completed				07/07/15	G/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	1500	ug/Kg	1	07/09/15	AW	SW8082A
PCB-1221	ND	1500	ug/Kg	1	07/09/15	AW	SW8082A
PCB-1232	ND	1500	ug/Kg	1	07/09/15	AW	SW8082A
PCB-1242	ND	1500	ug/Kg	1	07/09/15	AW	SW8082A
PCB-1248	ND	1500	ug/Kg	1	07/09/15	AW	SW8082A
PCB-1254	ND	1500	ug/Kg	1	07/09/15	AW	SW8082A
PCB-1260	ND	1500	ug/Kg	1	07/09/15	AW	SW8082A
PCB-1262	ND	1500	ug/Kg	1	07/09/15	AW	SW8082A

Project ID: ██████████ 2003403
Client ID: WASTE SLUDGE

Phoenix I.D.: BJ42023

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1268	ND	1500	ug/Kg	1	07/09/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	99		%	1	07/09/15	AW	30 - 150 %
% TCMX	71		%	1	07/09/15	AW	30 - 150 %

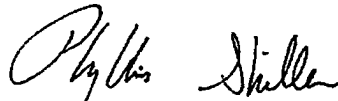
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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

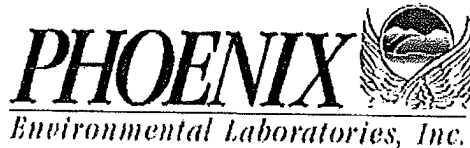
July 23, 2015

Reviewed and Released by: Deb Lawrie, Project Manager

M70

~~XXXXXXXXXX~~
Selenium pH

5-2015



Wednesday, May 27, 2015

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

Project ID: NAUGATUCK
Sample ID#s: BJ20175

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
 May 27, 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

05/20/15
 05/21/15 16:32

Laboratory Data

SDG ID: GBJ20175
 Phoenix ID: BJ20175

Project ID: NAUGATUCK
 Client ID: SLUDGE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Selenium	4.7	2.3	mg/Kg	1	05/25/15	EK	SW6010C
Total Solids @ 104C	5.16	0.1	%	1	05/26/15	KH	SM2540B-97
pH - Sludge	5.46	0.10	pH Units	1	05/21/15 20:15	DH/KDB	SW9045
Total Metals Digest	Completed				05/22/15	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-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 27, 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 27, 2015

QA/QC Data

SDG I.D.: GBJ20175

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 308738 (mg/kg), QC Sample No: BJ19917 (BJ20175)													
<u>ICP Metals - Soil</u>													
Selenium	BRL	1.3	<1.4	<1.5	NC	90.9	96.7	6.2	83.5	84.8	1.5	75 - 125	30



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

QA/QC Report

May 27, 2015


QA/QC Data

SDG I.D.: GBJ20175

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 308667 (PH), QC Sample No: BJ20094 (BJ20175)													
pH - Soil			6.70	6.26	6.80	100						85 - 115	20
QA/QC Batch 308706 (), QC Sample No: BJ20095 (BJ20175)													
Total Solids	BRL	0.1	1.03	0.989	4.10	100						85 - 115	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
May 27, 2015

Sample Criteria Exceedences Report

GBJ20175 - VEOLIANA

Criteria: None

State: CT

SampNo . Acode Phoenix Analyte

Criteria

Result

RL

Criteria

RL Criteria 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.

CERTIFICATE OF ANALYSIS

[REDACTED]

Date Received: 10/20/2015
Date Reported: 11/2/2015
P.O. #: 1073
Work Order #: 1510-22616

DESCRIPTION: DEWATERED SLUDGE

Subject sample(s) has/have been analyzed by our Warwick, R.I. laboratory with the attached results.

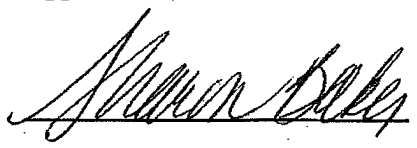
Reference: All parameters were analyzed by U.S. EPA approved methodologies.
The specific methodologies are listed in the methods column of the Certificate of Analysis.

Data qualifiers (if present) are explained in full at the end of a given sample's analytical results.

Certification #: RI LAI0033, MA M-RI015, CT PH-0508, ME RI00015
NH 2537, NY 11726

If you have any questions regarding this work, or if we may be of further assistance, please contact our customer service department.

Approved by:



Sharon Baker
MIS / Data Reporting

enc: Chain of Custody

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Veolia [REDACTED]
 Date Received: 10/20/2015
 Work Order #: 1510-22616

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED	ANALYST
Sample # 001	SAMPLE DESCRIPTION: DEWATERED SLUDGE					
	SAMPLE TYPE: COMPOSITE		SAMPLE DATE/TIME: 10/20/2015			
pH	4.9		SU	SW-846 9045C	10/20/2015 21:40	PTT
% Solids	7.6		%	SM2540G 18-21ed	10/22/2015 16:30	AK
Total Volatile Solids	87	0.5	%	SM2540E 18-21ed	10/26/2015 9:00	TAH
Total fixed solids	13	0.5	%	SM2540E 18-21ed	10/26/2015 9:00	TAH
PCB						
Aroclor-1016	<1.3	1.3	mg/kg dry	SW-846 8082A	10/27/2015 0:28	KD
Aroclor-1221	<1.3	1.3	mg/kg dry	SW-846 8082A	10/27/2015 0:28	KD
Aroclor-1232	<1.3	1.3	mg/kg dry	SW-846 8082A	10/27/2015 0:28	KD
Aroclor-1242	<1.3	1.3	mg/kg dry	SW-846 8082A	10/27/2015 0:28	KD
Aroclor-1248	<1.3	1.3	mg/kg dry	SW-846 8082A	10/27/2015 0:28	KD
Aroclor-1254	<1.3	1.3	mg/kg dry	SW-846 8082A	10/27/2015 0:28	KD
Aroclor-1260	<1.3	1.3	mg/kg dry	SW-846 8082A	10/27/2015 0:28	KD
Surrogate			RANGE	SW-846 8082A	10/27/2015 0:28	KD
Tetrachloro-m-xylene (TCMX)	60		30-150%	SW-846 8082A	10/27/2015 0:28	KD
Decachlorobiphenyl	71		30-150%	SW-846 8082A	10/27/2015 0:28	KD
Total Metals Analyzed by ICP						
Arsenic	<33	33	mg/kg dry	SW-846 6010C	10/23/2015 11:48	JRW
Barium	220	6.5	mg/kg dry	SW-846 6010C	10/23/2015 11:48	JRW
Beryllium	<0.65	0.65	mg/kg dry	SW-846 6010C	10/23/2015 11:48	JRW
Cadmium	<3.3	3.3	mg/kg dry	SW-846 6010C	10/23/2015 11:48	JRW
Chromium	<20	20	mg/kg dry	SW-846 6010C	10/23/2015 11:48	JRW
Copper	500	33	mg/kg dry	SW-846 6010C	10/23/2015 11:48	JRW
Lead	34	26	mg/kg dry	SW-846 6010C	10/23/2015 11:48	JRW
Mercury	<1.2	1.2	mg/kg dry	SW-846 7471B	10/26/2015 11:58	JRW
Nickel	14	13	mg/kg dry	SW-846 6010C	10/23/2015 11:48	JRW
Selenium	<65	65	mg/kg dry	SW-846 6010C	10/23/2015 11:48	JRW
Silver	<13	13	mg/kg dry	SW-846 6010C	10/23/2015 11:48	JRW
Zinc	610	26	mg/kg dry	SW-846 6010C	10/23/2015 11:48	JRW
ICP Digestion				SW-846 3050B	10/22/2015 15:11	PJC
Mercury Digestion				SW-846 7471B	10/26/2015 11:22	JRW

QA/QC Report

Client: Veolia - ██████████ WWTP
 WO #: 1510-22616
 Date: 11/2/15

-Method Blanks Results-

Parameter	Units	Results	Date Analyzed
PCBs			
Aroclor-1016	mg/kg dry	<0.1	10/23/2015
Aroclor-1221	mg/kg dry	<0.1	10/23/2015
Aroclor-1232	mg/kg dry	<0.1	10/23/2015
Aroclor-1242	mg/kg dry	<0.1	10/23/2015
Aroclor-1248	mg/kg dry	<0.1	10/23/2015
Aroclor-1254	mg/kg dry	<0.1	10/23/2015
Aroclor-1260	mg/kg dry	<0.1	10/23/2015
Surrogate	RANGE		10/23/2015
Tetrachloro-m-xylene (TCMX)	30-150%	71	10/23/2015
Decachlorobiphenyl	30-150%	91	10/23/2015
Total Metals			
Arsenic	mg/kg dry	<2.5	10/23/2015
Barium	mg/kg dry	<0.50	10/23/2015
Beryllium	mg/kg dry	<0.050	10/23/2015
Cadmium	mg/kg dry	<0.25	10/23/2015
Chromium	mg/kg dry	<1.5	10/23/2015
Copper	mg/kg dry	<2.5	10/23/2015
Lead	mg/kg dry	<2.0	10/23/2015
Nickel	mg/kg dry	<1.00	10/23/2015
Selenium	mg/kg dry	<5.0	10/23/2015
Silver	mg/kg dry	<1.00	10/23/2015
Zinc	mg/kg dry	<2.0	10/23/2015
Mercury	mg/kg dry	<0.10	10/26/2015

-Laboratory Control Standard-

Parameter	Units	Spike Conc.	Detected Conc.	% Rec.	Date Analyzed
PCBs					
Aroclor-1016	mg/kg dry	0.33	0.246	75	10/23/2015
Aroclor-1260	mg/kg dry	0.33	0.269	82	10/23/2015
Surrogate	RANGE				10/23/2015
Tetrachloro-m-xylene (TCMX)	30-150%		74		10/23/2015
Decachlorobiphenyl	30-150%		94		10/23/2015
Aroclor-1016	mg/kg dry	0.33	0.274	83	10/23/2015
Aroclor-1260	mg/kg dry	0.33	0.290	88	10/23/2015
Surrogate	RANGE				10/23/2015
Tetrachloro-m-xylene (TCMX)	30-150%		81		10/23/2015
Decachlorobiphenyl	30-150%		96		10/23/2015
Total Metals					
Arsenic	mg/kg dry	133	140	105	10/23/2015
Barium	mg/kg dry	229	270	118	10/23/2015
Beryllium	mg/kg dry	95.8	97	101	10/23/2015
Cadmium	mg/kg dry	123	120	98	10/23/2015
Chromium	mg/kg dry	63.2	65	103	10/23/2015

QA/QC Report

Client: Veolia - ██████████ WWTP
 WO #: 1510-22616
 Date: 11/2/15

Copper	mg/kg dry	211	210	100	10/23/2015
Lead	mg/kg dry	108	100	93	10/23/2015
Nickel	mg/kg dry	285	280	98	10/23/2015
Selenium	mg/kg dry	81.1	82	101	10/23/2015
Silver	mg/kg dry	74.8	76	102	10/23/2015
Zinc	mg/kg dry	203	200	99	10/23/2015
Arsenic	mg/kg dry	133	140	105	10/23/2015
Barium	mg/kg dry	229	240	105	10/23/2015
Beryllium	mg/kg dry	95.8	95	99	10/23/2015
Cadmium	mg/kg dry	123	120	98	10/23/2015
Chromium	mg/kg dry	63.2	64	101	10/23/2015
Copper	mg/kg dry	211	220	104	10/23/2015
Lead	mg/kg dry	108	110	102	10/23/2015
Nickel	mg/kg dry	285	280	98	10/23/2015
Selenium	mg/kg dry	81.1	87	107	10/23/2015
Silver	mg/kg dry	74.8	75	100	10/23/2015
Zinc	mg/kg dry	203	200	99	10/23/2015
Mercury	mg/kg dry	24.9	30	120	10/26/2015
Mercury	mg/kg dry	24.9	30	120	10/26/2015

-Duplicate Sample Results-

Parameter	Units	Sample #	Rep 1 Conc.	Rep 2 Conc.	Mean Conc.	Reported Value	% RPD	Date Analyzed
pH	SU	1510-22555-001	6.9	6.8	6.85	N/A	1	10/20/2015
Total Metals								
Mercury	mg/kg dry	1510-22503-002	0.15	0.30	0.23	N/A	65	10/26/2015

-Matrix Spike Results-

Parameter	Units	Sample #	Sample Conc.	Spike Conc.	Detected Conc.	% Rec.	Date Analyzed
Total Metals							
Mercury	mg/kg dry	1510-22503-002	N/A	0.52	0.82	100	10/26/2015

CALLS ONLY OF CUSTODY RECORD
RI Analytical Laboratories, Inc.

41 Illinois Avenue
 131 Coolidge St, Bldg. 2
 Warwick, RI 02888
 Tel: 800-937-2580
 Fax: 401-738-1970

Field Sample Identification
 Dewatered sludge

Date Collected	Time Collected	Field Sample Identification	Grab or Composite	# of Containers & Type	Preservation Code	Matrix Code	As, Be, Cd, Cr, Cu, Pb, Hg, Zn (methods 200.7/245.1)	PCBs (method 8082)	Solids, Total (method 160.3)	Solids, Volatile (method 2450E)	Nickel, Total	Barium	Selenium	Silver	Pb
10-20-15	0733		C	1 AG	NP/SL		X	X	X	X	X	X	X	X	X
10-20-15	0733														

Company Name: **Veolia**
 Address: **[REDACTED]**
 City / State / Zip: **Benjamin North**
 Telephone: **860-443-4560**
 Contact Person: **Benjamin North**

Client Information: **Wastewater Treatment Plant**
 Project Name: **Dewatered Sludge**
 P.O. Number: **[REDACTED]**
 Report To: **Benjamin North**
 Phone: **860-443-4560**
 Sampled by: **[REDACTED]**
 Quote No: **EAR030334**
 Email address: **Benjamin.North@veolia.com**

Prepared By	Date	Time	Turn Around Time	Normal	EMAIL Re
[Signature]	10-20-15	1610	10-20-15	X	X
[Signature]	10-20-15	1715	10-20-15		

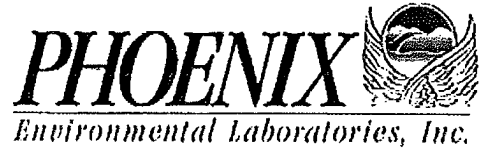
Circle if applicable: GW-1, GW-2, GW-3, S-1, S-2, S-3
 MCP Data Enhancement QC Package? **No**
 Sample to be collected: February, April, June, August, October, December
 Container Types: P=Poly, G=Glass, AG=Amber Glass, V=Vial, St=Sterile
 Matrix Codes: M=MeOH, T=Na2S2O3, Z=ZnOAc

Lab Use Only
 Sample Picked Up Only
 RIAL sampled; attach field hc
 Shipped on ice **48**
 Workorder No: **1502016**

MS4

6-2015

~~XXXXXXXXXX~~
~~XXXXXXXXXX~~



Wednesday, June 10, 2015

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

Project ID: NAUGATUCK
Sample ID#s: BJ26119

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
 June 10, 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: SW
 Analyzed by: see "By" below

Date Time
 06/03/15
 06/04/15 15:13

Laboratory Data

SDG ID: GBJ26119
 Phoenix ID: BJ26119

Project ID: NAUGATUCK
 Client ID: SLUDGE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Selenium	< 15	15	mg/Kg	1	06/05/15	EK	SW6010C
Total Solids @ 104C	3.69	0.1	%	1	06/08/15	KH	SM2540B-97
pH - Sludge	6.80	0.10	pH Units	1	08/04/15 22:00	DH/EG	SW9045
Total Metals Digest	Completed				06/04/15	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-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

June 10, 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 10, 2015

QA/QC Data

SDG I.D.: GBJ26119

Parameter	Blk Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 309847 (mg/kg), QC Sample No: BJ25045 (BJ26119)													
<u>ICP Metals - Soil</u>													
Selenium	BRL	1.4	<1.5	<1.5	NC	78.8	78.7	0.1	83.4	84.0	0.7	75 - 125	30



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 10, 2015

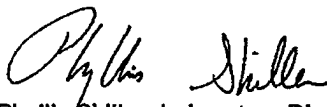
QA/QC Data

SDG I.D.: GBJ26119

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 309779 (), QC Sample No: BJ25241 (BJ26119)													
Total Solids	BRL	0.1	89.7	91.3	1.80	100						85 - 115	30
QA/QC Batch 309945 (PH), QC Sample No: BJ25926 (BJ26119)													
pH - Soil			8.32	8.16	1.90	98.8						85 - 115	20

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 10, 2015

Sample Criteria Exceedences Report

GBJ26119 - VEOLIANA

Criteria: None

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	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.

