

**FORMER GASTOWN MGP SITE
SITE NO. 915171**

**2010 LAB REPORTS
FOR THE GROUNDWATER COLLECTION
& TREATMENT SYSTEM**

All lab reports for 2010 are available.

Analytical Report

Work Order: RTB0191

Project Description

NYSDEC-Gastown WWTP: Site# 915171

For:

Glenn May

New York State D.E.C. - Buffalo, NY

270 Michigan Avenue

Buffalo, NY 14203



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Thursday, February 11, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 1/27/2009

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
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Work Order: RTB0191

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 02/01/10
Reported: 02/11/10 13:10

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Samples PRE-CARBON and POST-CARBON were initially analyzed within holding time, however the bracketing QC was below acceptance limits. The samples were analyzed a second time outside of holding time. Both set of results have been reported.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Brian Fischer
Project Manager

Thursday, February 11, 2010

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

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DATA QUALIFIERS AND DEFINITIONS

- B** Analyte was detected in the associated Method Blank.
- D08** Dilution required due to high concentration of target analyte(s)
- J** Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
- N1** See case narrative.
- P-HS** Sample container contained headspace.
- NR** Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

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Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTB0191-01 (PRE-CARBON - Ground Water)					Sampled: 01/30/10 11:00			Recvd: 02/01/10 12:00		
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	158000		500	NR	ug/L	1.00	02/03/10 19:45	LMH	10B0104	200.7
Iron	6930		50	NR	ug/L	1.00	02/03/10 19:45	LMH	10B0104	200.7
Magnesium	69200		200	NR	ug/L	1.00	02/03/10 19:45	LMH	10B0104	200.7
Potassium	5060		500	NR	ug/L	1.00	02/03/10 19:45	LMH	10B0104	200.7
Sodium	76300		1000	NR	ug/L	1.00	02/03/10 19:45	LMH	10B0104	200.7

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Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTB0191-02 (POST-CARBON - Ground Water)					Sampled: 01/30/10 12:00			Recvd: 02/01/10 12:00		
<u>Volatile Organic Compounds by EPA Method 8021A</u>										
Benzene	0.10	P-HS,J	0.20	0.023	ug/L	1.00	02/02/10 14:16	LMW	10B0088	8021B
Methyl-t-Butyl Ether (MTBE)	0.21	P-HS,J	0.40	0.044	ug/L	1.00	02/02/10 14:16	LMW	10B0088	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	135		50	NR	ug/L	1.00	02/03/10 19:50	LMH	10B0104	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.293		0.0100	0.0050	mg/L	1.00	02/03/10 09:48	jmm	10B0102	335.4

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Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTB0191-03 (PRE-CARBON - Ground Water)					Sampled: 02/01/10 07:00			Recvd: 02/01/10 12:00		
<u>General Chemistry Parameters</u>										
Alkalinity, Total	494	B, D08	100	19.6	mg/L	10.0	02/02/10 16:24	ZZZ	10B0129	310.2
pH	7.84		NR	0.00	SU	1.00	02/01/10 19:31	JFR	10B0067	4500-H+ B
<u>Anions by EPA Method 300.0</u>										
Chloride	131	D08	2.50	1.41	mg/L	5.00	02/02/10 14:50	ALD	10B0141	300
Sulfate	171	D08	10.0	1.74	mg/L	5.00	02/02/10 14:50	ALD	10B0141	300
Sample ID: RTB0191-03RE1 (PRE-CARBON - Ground Water)					Sampled: 02/01/10 07:00			Recvd: 02/01/10 12:00		
<u>General Chemistry Parameters</u>										
pH	7.98	N1	NR	0.00	SU	1.00	02/11/10 11:34	KLD	10B0686	4500-H+ B

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Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTB0191-04 (POST-CARBON - Ground Water)					Sampled: 02/01/10 07:00			Recvd: 02/01/10 12:00		
<u>General Chemistry Parameters</u>										
pH	7.78		NR	0.00	SU	1.00	02/01/10 19:31	JFR	10B0067	4500-H+ B
Sample ID: RTB0191-04RE1 (POST-CARBON - Ground Water)					Sampled: 02/01/10 07:00			Recvd: 02/01/10 12:00		
<u>General Chemistry Parameters</u>										
pH	7.93	N1	NR	0.00	SU	1.00	02/11/10 11:34	KLD	10B0686	4500-H+ B

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Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
PRE-CARBON	RTB0191-01	Ground Water	01/30/10 11:00	02/01/10 12:00	
POST-CARBON	RTB0191-02	Ground Water	01/30/10 12:00	02/01/10 12:00	
PRE-CARBON	RTB0191-03	Ground Water	02/01/10 07:00	02/01/10 12:00	
POST-CARBON	RTB0191-04	Ground Water	02/01/10 07:00	02/01/10 12:00	

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTB0191-01 (PRE-CARBON - Ground Water)					Sampled: 01/30/10 11:00			Recvd: 02/01/10 12:00		
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	158000		500	NR	ug/L	1.00	02/03/10 19:45	LMH	10B0104	200.7
Iron	6930		50	NR	ug/L	1.00	02/03/10 19:45	LMH	10B0104	200.7
Magnesium	69200		200	NR	ug/L	1.00	02/03/10 19:45	LMH	10B0104	200.7
Potassium	5060		500	NR	ug/L	1.00	02/03/10 19:45	LMH	10B0104	200.7
Sodium	76300		1000	NR	ug/L	1.00	02/03/10 19:45	LMH	10B0104	200.7

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTB0191-02 (POST-CARBON - Ground Water)						Sampled: 01/30/10 12:00		Recvd: 02/01/10 12:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		5.0	0.26	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
1,1,2,2-Tetrachloroethane	ND		5.0	0.21	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
1,1,2-Trichloroethane	ND		5.0	0.23	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
1,1-Dichloroethane	ND		5.0	0.38	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
1,1-Dichloroethene	ND		5.0	0.29	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
1,2-Dichloroethane	ND		5.0	0.21	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
1,2-Dichloroethene, Total	ND		10	0.70	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
1,2-Dichloropropane	ND		5.0	0.33	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
2-Butanone	ND		25	1.3	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
2-Hexanone	ND		25	1.2	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
4-Methyl-2-pentanone	ND		25	0.91	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Acetone	ND		25	1.3	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Benzene	ND		5.0	0.41	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Bromodichloromethane	ND		5.0	0.39	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Bromoform	ND		5.0	0.26	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Bromomethane	ND		5.0	0.28	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Carbon disulfide	ND		5.0	0.19	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Carbon Tetrachloride	ND		5.0	0.27	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Chlorobenzene	ND		5.0	0.32	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Dibromochloromethane	ND		5.0	0.32	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Chloroethane	ND		5.0	0.32	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Chloroform	ND		5.0	0.34	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Chloromethane	ND		5.0	0.35	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
cis-1,3-Dichloropropene	ND		5.0	0.36	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Ethylbenzene	ND		5.0	0.18	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Methylene Chloride	ND		5.0	0.44	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Styrene	ND		5.0	0.18	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Tetrachloroethene	ND		5.0	0.36	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Toluene	ND		5.0	0.51	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
trans-1,3-Dichloropropene	ND		5.0	0.37	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Trichloroethene	ND		5.0	0.46	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Vinyl acetate	ND		25	0.85	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Vinyl chloride	ND		5.0	0.24	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
Xylenes, total	ND		15	0.66	ug/L	1.00	02/03/10 06:44	NMD	10B0126	8260B
1,2-Dichloroethane-d4	104 %		Surr Limits: (66-137%)				02/03/10 06:44	NMD	10B0126	8260B
4-Bromofluorobenzene	107 %		Surr Limits: (73-120%)				02/03/10 06:44	NMD	10B0126	8260B
Toluene-d8	105 %		Surr Limits: (71-126%)				02/03/10 06:44	NMD	10B0126	8260B

Volatile Organic Compounds by EPA Method 8021A

1,2,4-Trimethylbenzene	ND	P-HS	0.20	0.035	ug/L	1.00	02/02/10 14:16	LMW	10B0088	8021B
1,3,5-Trimethylbenzene	ND	P-HS	0.20	0.030	ug/L	1.00	02/02/10 14:16	LMW	10B0088	8021B
Benzene	0.10	P-HS,J	0.20	0.023	ug/L	1.00	02/02/10 14:16	LMW	10B0088	8021B
Ethylbenzene	ND	P-HS	0.20	0.029	ug/L	1.00	02/02/10 14:16	LMW	10B0088	8021B
Isopropylbenzene	ND	P-HS	0.20	0.027	ug/L	1.00	02/02/10 14:16	LMW	10B0088	8021B
Methyl-t-Butyl Ether (MTBE)	0.21	P-HS,J	0.40	0.044	ug/L	1.00	02/02/10 14:16	LMW	10B0088	8021B
m-Xylene & p-Xylene	ND	P-HS	0.40	0.054	ug/L	1.00	02/02/10 14:16	LMW	10B0088	8021B
n-Butylbenzene	ND	P-HS	0.40	0.031	ug/L	1.00	02/02/10 14:16	LMW	10B0088	8021B
n-Propylbenzene	ND	P-HS	0.20	0.028	ug/L	1.00	02/02/10 14:16	LMW	10B0088	8021B
o-Xylene	ND	P-HS	0.20	0.027	ug/L	1.00	02/02/10 14:16	LMW	10B0088	8021B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method	
Sample ID: RTB0191-02 (POST-CARBON - Ground Water) - cont.					Sampled: 01/30/10 12:00			Recvd: 02/01/10 12:00			
<u>Volatile Organic Compounds by EPA Method 8021A - cont.</u>											
p-Cymene	ND	P-HS	0.40	0.030	ug/L	1.00	02/02/10 14:16	LMW	10B0088	8021B	
sec-Butylbenzene	ND	P-HS	0.40	0.020	ug/L	1.00	02/02/10 14:16	LMW	10B0088	8021B	
Toluene	ND	P-HS	0.20	0.036	ug/L	1.00	02/02/10 14:16	LMW	10B0088	8021B	
Xylenes, total	ND	P-HS	0.40	0.054	ug/L	1.00	02/02/10 14:16	LMW	10B0088	8021B	
4-Bromofluorobenzene	117 %	P-HS	Surr Limits: (70-125%)					02/02/10 14:16	LMW	10B0088	8021B
a,a,a-Trifluorotoluene	93 %	P-HS	Surr Limits: (77-130%)					02/02/10 14:16	LMW	10B0088	8021B
<u>Total Metals by EPA 200 Series Methods</u>											
Iron	135		50	NR	ug/L	1.00	02/03/10 19:50	LMH	10B0104	200.7	
<u>General Chemistry Parameters</u>											
Total Cyanide	0.293		0.0100	0.0050	mg/L	1.00	02/03/10 09:48	jmm	10B0102	335.4	

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Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTB0191-03 (PRE-CARBON - Ground Water)					Sampled: 02/01/10 07:00			Recvd: 02/01/10 12:00		
<u>General Chemistry Parameters</u>										
Alkalinity, Total	494	B, D08	100	19.6	mg/L	10.0	02/02/10 16:24	ZZZ	10B0129	310.2
pH	7.84		NA	0.00	SU	1.00	02/01/10 19:31	JFR	10B0067	4500-H+ B
<u>Anions by EPA Method 300.0</u>										
Chloride	131	D08	2.50	1.41	mg/L	5.00	02/02/10 14:50	ALD	10B0141	300
Sulfate	171	D08	10.0	1.74	mg/L	5.00	02/02/10 14:50	ALD	10B0141	300

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTB0191-03RE1 (PRE-CARBON - Ground Water)					Sampled: 02/01/10 07:00			Recvd: 02/01/10 12:00		

General Chemistry Parameters

pH	7.98	N1	NA	0.00	SU	1.00	02/11/10 11:34	KLD	10B0686	4500-H+ B
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTB0191-04 (POST-CARBON - Ground Water)					Sampled: 02/01/10 07:00			Recvd: 02/01/10 12:00		

General Chemistry Parameters

pH	7.78		NA	0.00	SU	1.00	02/01/10 19:31	JFR	10B0067	4500-H+ B
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Sample ID: RTB0191-04RE1 (POST-CARBON - Ground Water)					Sampled: 02/01/10 07:00			Recvd: 02/01/10 12:00		

General Chemistry Parameters

pH	7.93	N1	NA	0.00	SU	1.00	02/11/10 11:34	KLD	10B0686	4500-H+ B
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SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method	
Anions by EPA Method 300.0										
300	10B0141	RTB0191-03	5.00	mL	5.00	mL	02/02/10 11:17	ALD	Direct Injection - Anions	
General Chemistry Parameters										
310.2	10B0129	RTB0191-03	2.00	mL	2.00	mL	02/02/10 12:28	JME	No Prep Alkalinity	
335.4	10B0102	RTB0191-02	50.00	mL	50.00	mL	02/02/10 14:14	MDM	Cn Digestion	
4500-H+ B	10B0067	RTB0191-03	1.00	mL	1.00	mL	02/01/10 19:31	JFR	pH	
4500-H+ B	10B0067	RTB0191-04	1.00	mL	1.00	mL	02/01/10 19:31	JFR	pH	
4500-H+ B	10B0686	RTB0191-03RE'	1.00	mL	1.00	mL	02/11/10 11:31	KLD	pH	
4500-H+ B	10B0686	RTB0191-04RE'	1.00	mL	1.00	mL	02/11/10 11:31	KLD	pH	
Total Metals by EPA 200 Series Methods										
200.7	10B0104	RTB0191-01	50.00	mL	50.00	mL	02/03/10 08:30	DAN	3005A	
200.7	10B0104	RTB0191-02	50.00	mL	50.00	mL	02/03/10 08:30	DAN	3005A	
Volatile Organic Compounds by EPA 8260B										
8260B	10B0126	RTB0191-02	5.00	mL	5.00	mL	02/02/10 19:37	NMD	5030B MS	
Volatile Organic Compounds by EPA Method 8021A										
8021B	10B0088	RTB0191-02	1.00	mL	1.00	mL	02/02/10 06:00	LMW	5030B GC	

Chain of Custody Record

Client Information Client Contact: Glenn May Company: New York State D.E.C. - Buffalo, NY Address: 270 Michigan Avenue City: Buffalo State, Zip: NY, 14203 Phone: (716) 851-7220 Email: Project Name: NYSDEC-Gastown WWTP. Site# 915171 Site: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT - NY		Sampler: <i>Dennis Holtzman</i> Phone: <i>(716) 831-0205</i> Lab PM: Brian Fischer E-Mail: Brian.Fischer@testamericainc.com Corner Tracking No(s): COC No: 1 Page: 1 Job #:	Analysis Requested <table border="1" style="width: 100%; text-align: center; font-size: x-small;"> <tr> <th>Field Filtered Sample (Yes or No)</th> <th>PH</th> <th>Alk</th> <th>T-Hardness</th> <th>CN</th> <th>6021Voa</th> <th>Voa6</th> <th>Cl:-SO4</th> <th>Total Number of containers</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Field Filtered Sample (Yes or No)	PH	Alk	T-Hardness	CN	6021Voa	Voa6	Cl:-SO4	Total Number of containers										Preservation Codes: A - HCl M - H2O2 B - NaOH N - None C - Zn Acetate O - AsHClO2 D - Nitric Acid P - Na2CO3 E - NaHSO4 Q - Na2SO3 F - NaOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecylhydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4.5 L - EDA Z - other (specify) Other:																																				
Field Filtered Sample (Yes or No)	PH	Alk	T-Hardness	CN	6021Voa	Voa6	Cl:-SO4	Total Number of containers																																																		
Sample Identification <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>Sample ID</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=comp, G=grab)</th> <th>Matrix (see manual)</th> <th>Field Filtered</th> <th>PH</th> <th>Alk</th> <th>T-Hardness</th> <th>CN</th> <th>6021Voa</th> <th>Voa6</th> <th>Cl:-SO4</th> <th>Total Number of containers</th> </tr> </thead> <tbody> <tr> <td>PRE-CARBON (RSC148-01)</td> <td>1/30/10</td> <td>1100</td> <td>G</td> <td>W</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>POST-CARBON (RSC148-02)</td> <td>1/30/10</td> <td>1200</td> <td>G</td> <td>W</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>2/1/10</td> <td>0700</td> <td>G</td> <td>W</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </tbody> </table>		Sample ID	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (see manual)	Field Filtered	PH	Alk	T-Hardness	CN	6021Voa	Voa6	Cl:-SO4	Total Number of containers	PRE-CARBON (RSC148-01)	1/30/10	1100	G	W	X	X								POST-CARBON (RSC148-02)	1/30/10	1200	G	W											2/1/10	0700	G	W	X	X						X		Special Instructions/Note: * Unpreserved samples collected morning of 2/1/10
Sample ID	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (see manual)	Field Filtered	PH	Alk	T-Hardness	CN	6021Voa	Voa6	Cl:-SO4	Total Number of containers																																													
PRE-CARBON (RSC148-01)	1/30/10	1100	G	W	X	X																																																				
POST-CARBON (RSC148-02)	1/30/10	1200	G	W																																																						
	2/1/10	0700	G	W	X	X						X																																														
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																																																								
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:																																																								
Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____																																																										
Relinquished by: <i>[Signature]</i> Date/Time: 2/1/10 1330 Company: OP-Tech	Received by: <i>[Signature]</i> Date/Time: 02/01/10 1200 Company: TAPBUFFALO																																																									
Relinquished by: _____ Date/Time: _____ Company: _____	Received by: _____ Date/Time: _____ Company: _____																																																									
Relinquished by: _____ Date/Time: _____ Company: _____	Received by: _____ Date/Time: _____ Company: _____																																																									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.: _____	Cooler Temperature(s) °C and Other Remarks: <i>8.4°C w/ICE SAME DAY</i>																																																									

Analytical Report

Work Order: RTC0347

Project Description

NYSDEC - Gastown: Site# 915171/Pin# H0287

For:

Glenn May

New York State D.E.C. - Buffalo, NY

270 Michigan Avenue

Buffalo, NY 14203



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Monday, March 8, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 12/21/2009

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTC0347

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 03/01/10
Reported: 03/08/10 10:00

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Brian Fischer
Project Manager

Monday, March 8, 2010

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTC0347

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287

Project Number: NYSDEC

Received: 03/01/10

Reported: 03/08/10 10:00

DATA QUALIFIERS AND DEFINITIONS

- D08** Dilution required due to high concentration of target analyte(s)
- HFT** The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
- J** Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
- NR** Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTC0347

Received: 03/01/10
Reported: 03/08/10 10:00

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTC0347-01 (POST-CARBON - Ground Water)					Sampled: 02/28/10 22:30			Recvd: 03/01/10 16:09		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Benzene	0.92	J	5.0	0.41	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Vinyl chloride	0.45	J	5.0	0.24	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
<u>Volatile Organic Compounds by EPA Method 8021A</u>										
Benzene	0.88		0.20	0.023	ug/L	1.00	03/02/10 10:33	GFD	10C0076	8021B
Methyl-t-Butyl Ether (MTBE)	0.21	J	0.40	0.044	ug/L	1.00	03/02/10 10:33	GFD	10C0076	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	109		50	NR	ug/L	1.00	03/03/10 22:35	DAN	10C0129	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.198		0.0100	0.0050	mg/L	1.00	03/05/10 09:16	jmm	10C0121	335.4
pH	7.82	HFT	NR	0.00	SU	1.00	03/01/10 17:56	JME	10C0057	4500-H+ B

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 270 Michigan Avenue
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Work Order: RTC0347

Received: 03/01/10
 Reported: 03/08/10 10:00

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
 Project Number: NYSDEC

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method	
Sample ID: RTC0347-02 (PRE-CARBON - Ground Water)					Sampled: 03/01/10 16:09			Recvd: 03/01/10 16:09			
<u>Total Metals by EPA 200 Series Methods</u>											
Calcium	104000		500	NR	ug/L	1.00	03/03/10 22:39	DAN	10C0129	200.7	
Iron	7180		50	NR	ug/L	1.00	03/03/10 22:39	DAN	10C0129	200.7	
Magnesium	44600		200	NR	ug/L	1.00	03/03/10 22:39	DAN	10C0129	200.7	
Potassium	3940		500	NR	ug/L	1.00	03/03/10 22:39	DAN	10C0129	200.7	
Sodium	61600		1000	NR	ug/L	1.00	03/03/10 22:39	DAN	10C0129	200.7	
<u>General Chemistry Parameters</u>											
Alkalinity, Total	406	D08	100	19.6	mg/L	10.0	03/02/10 16:07	JME	10C0155	310.2	
<u>Anions by EPA Method 300.0</u>											
Chloride	122	D08	1.00	0.56	mg/L	2.00	03/02/10 10:12	ALD	10C0099	300	
Sulfate	95.8	D08	4.00	0.70	mg/L	2.00	03/02/10 10:12	ALD	10C0099	300	

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTC0347

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 03/01/10
Reported: 03/08/10 10:00

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
POST-CARBON	RTC0347-01	Ground Water	02/28/10 22:30	03/01/10 16:09	
PRE-CARBON	RTC0347-02	Ground Water	03/01/10 16:09	03/01/10 16:09	

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTC0347

Received: 03/01/10
Reported: 03/08/10 10:00

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287

Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTC0347-01 (POST-CARBON - Ground Water)						Sampled: 02/28/10 22:30		Recvd: 03/01/10 16:09		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		5.0	0.26	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
1,1,2,2-Tetrachloroethane	ND		5.0	0.21	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
1,1,2-Trichloroethane	ND		5.0	0.23	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
1,1-Dichloroethane	ND		5.0	0.38	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
1,1-Dichloroethene	ND		5.0	0.29	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
1,2-Dichloroethane	ND		5.0	0.21	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
1,2-Dichloroethene, Total	ND		10	0.70	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
1,2-Dichloropropane	ND		5.0	0.33	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
2-Butanone	ND		25	1.3	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
2-Hexanone	ND		25	1.2	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
4-Methyl-2-pentanone	ND		25	0.91	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Acetone	ND		25	1.3	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Benzene	0.92	J	5.0	0.41	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Bromodichloromethane	ND		5.0	0.39	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Bromoform	ND		5.0	0.26	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Bromomethane	ND		5.0	0.28	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Carbon disulfide	ND		5.0	0.19	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Carbon Tetrachloride	ND		5.0	0.27	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Chlorobenzene	ND		5.0	0.32	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Dibromochloromethane	ND		5.0	0.32	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Chloroethane	ND		5.0	0.32	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Chloroform	ND		5.0	0.34	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Chloromethane	ND		5.0	0.35	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
cis-1,3-Dichloropropene	ND		5.0	0.36	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Ethylbenzene	ND		5.0	0.18	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Methylene Chloride	ND		5.0	0.44	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Styrene	ND		5.0	0.18	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Tetrachloroethene	ND		5.0	0.36	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Toluene	ND		5.0	0.51	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
trans-1,3-Dichloropropene	ND		5.0	0.37	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
e										
Trichloroethene	ND		5.0	0.46	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Vinyl acetate	ND		25	0.85	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Vinyl chloride	0.45	J	5.0	0.24	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
Xylenes, total	ND		15	0.66	ug/L	1.00	03/04/10 19:31	LH	10C0241	8260B
<i>1,2-Dichloroethane-d4</i>	<i>94 %</i>		<i>Surr Limits: (66-137%)</i>				<i>03/04/10 19:31</i>	<i>LH</i>	<i>10C0241</i>	<i>8260B</i>
<i>4-Bromofluorobenzene</i>	<i>84 %</i>		<i>Surr Limits: (73-120%)</i>				<i>03/04/10 19:31</i>	<i>LH</i>	<i>10C0241</i>	<i>8260B</i>
<i>Toluene-d8</i>	<i>84 %</i>		<i>Surr Limits: (71-126%)</i>				<i>03/04/10 19:31</i>	<i>LH</i>	<i>10C0241</i>	<i>8260B</i>

Volatile Organic Compounds by EPA Method 8021A

1,2,4-Trimethylbenzene	ND		0.20	0.035	ug/L	1.00	03/02/10 10:33	GFD	10C0076	8021B
1,3,5-Trimethylbenzene	ND		0.20	0.030	ug/L	1.00	03/02/10 10:33	GFD	10C0076	8021B
Benzene	0.88		0.20	0.023	ug/L	1.00	03/02/10 10:33	GFD	10C0076	8021B
Ethylbenzene	ND		0.20	0.029	ug/L	1.00	03/02/10 10:33	GFD	10C0076	8021B
Isopropylbenzene	ND		0.20	0.027	ug/L	1.00	03/02/10 10:33	GFD	10C0076	8021B
Methyl-t-Butyl Ether (MTBE)	0.21	J	0.40	0.044	ug/L	1.00	03/02/10 10:33	GFD	10C0076	8021B
m-Xylene & p-Xylene	ND		0.40	0.054	ug/L	1.00	03/02/10 10:33	GFD	10C0076	8021B
n-Butylbenzene	ND		0.40	0.031	ug/L	1.00	03/02/10 10:33	GFD	10C0076	8021B
n-Propylbenzene	ND		0.20	0.028	ug/L	1.00	03/02/10 10:33	GFD	10C0076	8021B
o-Xylene	ND		0.20	0.027	ug/L	1.00	03/02/10 10:33	GFD	10C0076	8021B

TestAmerica Buffalo - 10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

www.testamericainc.com

New York State D.E.C. - Buffalo, NY
 270 Michigan Avenue
 Buffalo, NY 14203

Work Order: RTC0347

Received: 03/01/10
 Reported: 03/08/10 10:00

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287

Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTC0347-01 (POST-CARBON - Ground Water) - cont.						Sampled: 02/28/10 22:30		Recvd: 03/01/10 16:09		
<u>Volatile Organic Compounds by EPA Method 8021A - cont.</u>										
p-Cymene	ND		0.40	0.030	ug/L	1.00	03/02/10 10:33	GFD	10C0076	8021B
sec-Butylbenzene	ND		0.40	0.020	ug/L	1.00	03/02/10 10:33	GFD	10C0076	8021B
Toluene	ND		0.20	0.036	ug/L	1.00	03/02/10 10:33	GFD	10C0076	8021B
Xylenes, total	ND		0.40	0.054	ug/L	1.00	03/02/10 10:33	GFD	10C0076	8021B
4-Bromofluorobenzene	108 %		Surr Limits: (70-125%)				03/02/10 10:33	GFD	10C0076	8021B
a,a,a-Trifluorotoluene	91 %		Surr Limits: (77-130%)				03/02/10 10:33	GFD	10C0076	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	109		50	NR	ug/L	1.00	03/03/10 22:35	DAN	10C0129	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.198		0.0100	0.0050	mg/L	1.00	03/05/10 09:16	jmm	10C0121	335.4
pH	7.82	HFT	NA	0.00	SU	1.00	03/01/10 17:56	JME	10C0057	4500-H+ B

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Work Order: RTC0347

Received: 03/01/10
 Reported: 03/08/10 10:00

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287

Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTC0347-02 (PRE-CARBON - Ground Water)					Sampled: 03/01/10 16:09			Recvd: 03/01/10 16:09		
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	104000		500	NR	ug/L	1.00	03/03/10 22:39	DAN	10C0129	200.7
Iron	7180		50	NR	ug/L	1.00	03/03/10 22:39	DAN	10C0129	200.7
Magnesium	44600		200	NR	ug/L	1.00	03/03/10 22:39	DAN	10C0129	200.7
Potassium	3940		500	NR	ug/L	1.00	03/03/10 22:39	DAN	10C0129	200.7
Sodium	61600		1000	NR	ug/L	1.00	03/03/10 22:39	DAN	10C0129	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	406	D08	100	19.6	mg/L	10.0	03/02/10 16:07	JME	10C0155	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	122	D08	1.00	0.56	mg/L	2.00	03/02/10 10:12	ALD	10C0099	300
Sulfate	95.8	D08	4.00	0.70	mg/L	2.00	03/02/10 10:12	ALD	10C0099	300

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Work Order: RTC0347

Received: 03/01/10
 Reported: 03/08/10 10:00

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
 Project Number: NYSDEC

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Anions by EPA Method 300.0									
300	10C0099	RTC0347-02	5.00	mL	5.00	mL	03/02/10 09:22	ALD	Direct Injection - Anions
General Chemistry Parameters									
310.2	10C0155	RTC0347-02	2.00	mL	2.00	mL	03/02/10 15:59	JME	No Prep Alkalinity
335.4	10C0121	RTC0347-01	50.00	mL	50.00	mL	03/02/10 14:26	RJP	Cn Digestion
4500-H+ B	10C0057	RTC0347-01	50.00	mL	50.00	mL	03/01/10 17:56	JME	No prep pH
Total Metals by EPA 200 Series Methods									
200.7	10C0129	RTC0347-01	50.00	mL	50.00	mL	03/03/10 09:10	KCW	3005A
200.7	10C0129	RTC0347-02	50.00	mL	50.00	mL	03/03/10 09:10	KCW	3005A
Volatile Organic Compounds by EPA 8260B									
8260B	10C0241	RTC0347-01	5.00	mL	5.00	mL	03/04/10 10:41	TRB	5030B MS
Volatile Organic Compounds by EPA Method 8021A									
8021B	10C0076	RTC0347-01	1.00	mL	1.00	mL	03/02/10 05:30	GFD	5030B GC

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information				Sampler:		Lab PM: Brian Fischer			Carrier Tracking No(s):			COC No: 1																																																						
Client Contact: Glenn May				Phone:		E-Mail: Brian.Fischer@testamericainc.com						Page: 1																																																						
Company: New York State D.E.C. - Buffalo, NY				Analysis Requested								Job #:																																																						
Address: 270 Michigan Avenue		Due Date Requested:		<table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Field Filtered Sample (Yes or No)</th> <th colspan="10">Analysis Requested</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Number of Parameters</th> </tr> <tr> <th>P</th> <th>pH</th> <th>Alk</th> <th>T-Metals</th> <th>CN</th> <th>8021Vcs</th> <th>Vocs</th> <th>Cl-SO4</th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										Field Filtered Sample (Yes or No)	Analysis Requested										Total Number of Parameters	P	pH	Alk	T-Metals	CN	8021Vcs	Vocs	Cl-SO4																																Preservation Codes:	
Field Filtered Sample (Yes or No)	Analysis Requested													Total Number of Parameters																																																				
P	pH	Alk	T-Metals											CN	8021Vcs	Vocs	Cl-SO4																																																	
City: Buffalo		TAT Requested (days): 10		PO #: 118886		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsHClO2 D - Nitric Acid P - Na2CO3 E - NaHSO4 Q - Na2S2O3 F - MeOH R - Na2S2O5 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydria I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-3 L - EDA Z - other (specify)						Other:																																																						
State, Zip: NY, 14203		Project Name: NYSDEC-Gastown WWTP(Mthly): Site# 915171		Project #/SSOW#: NYSDEC - Gastown: Site# 915171/Pin# H0287		WO #: RTB0974																																																												
Phone: (716) 851-7220		Site: NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT - NY		SSOW#:																																																														
Sample Identification				Field Filtered Sample (Yes or No)	Total Number of Parameters																																																													
Sample Date		Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Soil, Sediment, Sludge, Benthic Infauna, Benthos)	Preservation Code		Zn		Cd	Mn	Pb	Cu	Ni	Co	Cr	Mg	Ca	Fe	Al	Si	S	C	N	H	O	P	K	Na	Cl	S	F	Br	I	Ba	Sr	Li	Rb	Cs	Mg	Ca	Fe	Al	Si	S	C	N	H	O																		
POST-CARBON (RTB0974-01)		2/29/10	2230	G	W			1	1	1	3	3																																																						
PRE-CARBON (RTB0974-02)		11	2250	G	W								2																																																					
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																																																														
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																																																														
Deliverable Requested: I, II, III, IV, Other (specify)				Special Instructions/QC Requirements:																																																														
Empty Kit Relinquished by:				Date:		Time:			Method of Shipment:																																																									
Relinquished by: <i>[Signature]</i>		Date/Time: 3-1-10 / 0701		Company: <i>[Signature]</i>			Received by: <i>[Signature]</i>		Date/Time: 3/1/10 1609		Company: TAPL																																																							
Relinquished by:				Date/Time:		Company:			Received by:		Date/Time:		Company:																																																					
Relinquished by:				Date/Time:		Company:			Received by:		Date/Time:		Company:																																																					
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 6.0 °C																																																												

Analytical Report

Work Order: RTD0414

Project Description

NYSDEC-Gastown WWTP: Site# 915171

For:

Glenn May

New York State D.E.C. - Buffalo, NY

270 Michigan Avenue

Buffalo, NY 14203



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Wednesday, April 14, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 12/21/2009

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
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Work Order: RTD0414


Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 04/01/10
Reported: 04/14/10 12:53

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Brian Fischer
Project Manager

Wednesday, April 14, 2010

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

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TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

New York State D.E.C. - Buffalo, NY
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Work Order: RTD0414

Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

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Reported: 04/14/10 12:53

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>SpecificMethod</u>	<u>Analyte</u>	<u>Units</u>	<u>Client RL</u>	<u>Lab PQL</u>
420.4	Total Recoverable Phenolics	mg/L	0.0050	0.0100
8270C	Dibenzofuran	ug/L	5.0	10

New York State D.E.C. - Buffalo, NY
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Work Order: RTD0414

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 04/01/10
Reported: 04/14/10 12:53

DATA QUALIFIERS AND DEFINITIONS

- B** Analyte was detected in the associated Method Blank.
- CF6** Results confirmed by reanalysis.
- D08** Dilution required due to high concentration of target analyte(s)
- HFT** The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
- J** Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
- NR** Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

New York State D.E.C. - Buffalo, NY
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Work Order: RTD0414

Received: 04/01/10
 Reported: 04/14/10 12:53

Project: NYSDEC-Gastown WWTP: Site# 915171
 Project Number: NYSDEC

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTD0414-01 (PRE-CARBON - Ground Water)					Sampled: 03/31/10 21:00			Recvd: 04/01/10 07:20		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Benzene	3600	D08	50	20	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Ethylbenzene	230	D08	50	9.2	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Styrene	43	D08,J	50	9.2	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Toluene	560	D08	50	26	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Xylenes, total	150	D08,J	150	33	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
<u>Volatile Organic Compounds by EPA Method 8021A</u>										
1,2,4-Trimethylbenzene	14	J	20	3.5	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
Benzene	3900		20	2.3	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
Ethylbenzene	270		20	2.9	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
m-Xylene & p-Xylene	130		40	5.4	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
o-Xylene	150		20	2.7	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
Toluene	610		20	3.6	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
Xylenes, total	280		40	5.4	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	159000		500	NR	ug/L	1.00	04/02/10 21:50	LMH	10D0130	200.7
Iron	633		50	NR	ug/L	1.00	04/02/10 21:50	LMH	10D0130	200.7
Magnesium	75300		200	NR	ug/L	1.00	04/02/10 21:50	LMH	10D0130	200.7
Potassium	4180		500	NR	ug/L	1.00	04/02/10 21:50	LMH	10D0130	200.7
Sodium	73900		1000	NR	ug/L	1.00	04/02/10 21:50	LMH	10D0130	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	393		100	19.6	mg/L	10.0	04/01/10 21:43	JFR	10D0104	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	137	D08	1.00	0.56	mg/L	2.00	04/05/10 19:41	ALD	10D0347	300
Sulfate	193	D08	10.0	1.74	mg/L	5.00	04/05/10 19:41	ALD	10D0347	300

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Work Order: RTD0414

Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

Received: 04/01/10

Reported: 04/14/10 12:53

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method	
Sample ID: RTD0414-02 (POST-CARBON - Ground Water)					Sampled: 03/31/10 22:30			Recvd: 04/01/10 07:20			
<u>Volatile Organic Compounds by EPA 8260B</u>											
Benzene	25		5.0	0.41	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B	
Toluene	1.3	J	5.0	0.51	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B	
Vinyl chloride	0.92	J	5.0	0.24	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B	
<u>Volatile Organic Compounds by EPA Method 8021A</u>											
Benzene	32		0.20	0.023	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B	
Ethylbenzene	0.59		0.20	0.029	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B	
Methyl-t-Butyl Ether (MTBE)	0.61		0.40	0.044	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B	
m-Xylene & p-Xylene	0.24	J	0.40	0.054	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B	
o-Xylene	0.26		0.20	0.027	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B	
Toluene	1.7		0.20	0.036	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B	
Xylenes, total	0.50		0.40	0.054	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B	
<u>Semivolatile Organics by GC/MS</u>											
Chrysene	0.44	J, B	10	0.31	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C	
<u>Total Metals by EPA 200 Series Methods</u>											
Iron	221		50	NR	ug/L	1.00	04/02/10 22:07	LMH	10D0130	200.7	
Manganese	163		3.0	NR	ug/L	1.00	04/02/10 22:07	LMH	10D0130	200.7	
<u>General Chemistry Parameters</u>											
Total Cyanide	0.358	CF6	0.0100	0.0050	mg/L	1.00	04/05/10 10:07	jmm	10D0238	335.4	
pH	7.78	HFT	NR	0.00	SU	1.00	04/02/10 00:14	MDM	10D0112	4500-H+ B	
Total Dissolved Solids	934		10.0	NR	mg/L	1.00	04/02/10 14:30	AMP	10D0212	2540C	

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Work Order: RTD0414

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 04/01/10
Reported: 04/14/10 12:53

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
PRE-CARBON	RTD0414-01	Ground Water	03/31/10 21:00	04/01/10 07:20	
POST-CARBON	RTD0414-02	Ground Water	03/31/10 22:30	04/01/10 07:20	

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Work Order: RTD0414

Received: 04/01/10
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Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTD0414-01 (PRE-CARBON - Ground Water)						Sampled: 03/31/10 21:00		Recvd: 04/01/10 07:20		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND	D08	50	13	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
1,1,2,2-Tetrachloroethane	ND	D08	50	11	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
1,1,2-Trichloroethane	ND	D08	50	12	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
1,1-Dichloroethane	ND	D08	50	19	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
1,1-Dichloroethene	ND	D08	50	15	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
1,2-Dichloroethane	ND	D08	50	11	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
1,2-Dichloroethene, Total	ND	D08	100	35	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
1,2-Dichloropropane	ND	D08	50	16	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
2-Butanone	ND	D08	250	66	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
2-Hexanone	ND	D08	250	62	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
4-Methyl-2-pentanone	ND	D08	250	45	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Acetone	ND	D08	250	67	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Benzene	3600	D08	50	20	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Bromodichloromethane	ND	D08	50	19	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Bromoform	ND	D08	50	13	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Bromomethane	ND	D08	50	14	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Carbon disulfide	ND	D08	50	9.7	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Carbon Tetrachloride	ND	D08	50	13	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Chlorobenzene	ND	D08	50	16	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Dibromochloromethane	ND	D08	50	16	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Chloroethane	ND	D08	50	16	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Chloroform	ND	D08	50	17	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Chloromethane	ND	D08	50	17	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
cis-1,3-Dichloropropene	ND	D08	50	18	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Ethylbenzene	230	D08	50	9.2	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Methylene Chloride	ND	D08	50	22	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Styrene	43	D08,J	50	9.2	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Tetrachloroethene	ND	D08	50	18	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Toluene	560	D08	50	26	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
trans-1,3-Dichloropropene	ND	D08	50	18	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Trichloroethene	ND	D08	50	23	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Vinyl acetate	ND	D08	250	42	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Vinyl chloride	ND	D08	50	12	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
Xylenes, total	150	D08,J	150	33	ug/L	50.0	04/03/10 15:02	DHC	10D0231	8260B
<i>1,2-Dichloroethane-d4</i>	<i>96 %</i>	<i>D08</i>	<i>Surr Limits: (66-137%)</i>				<i>04/03/10 15:02</i>	<i>DHC</i>	<i>10D0231</i>	<i>8260B</i>
<i>4-Bromofluorobenzene</i>	<i>85 %</i>	<i>D08</i>	<i>Surr Limits: (73-120%)</i>				<i>04/03/10 15:02</i>	<i>DHC</i>	<i>10D0231</i>	<i>8260B</i>
<i>Toluene-d8</i>	<i>89 %</i>	<i>D08</i>	<i>Surr Limits: (71-126%)</i>				<i>04/03/10 15:02</i>	<i>DHC</i>	<i>10D0231</i>	<i>8260B</i>

Volatile Organic Compounds by EPA Method 8021A

1,2,4-Trimethylbenzene	14	J	20	3.5	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
1,3,5-Trimethylbenzene	ND		20	3.0	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
Benzene	3900		20	2.3	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
Ethylbenzene	270		20	2.9	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
Isopropylbenzene	ND		20	2.7	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
Methyl-t-Butyl Ether (MTBE)	ND		40	4.4	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
m-Xylene & p-Xylene	130		40	5.4	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
n-Butylbenzene	ND		40	3.1	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
n-Propylbenzene	ND		20	2.8	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
o-Xylene	150		20	2.7	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B

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Work Order: RTD0414

Received: 04/01/10
 Reported: 04/14/10 12:53

Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTD0414-01 (PRE-CARBON - Ground Water) - cont.						Sampled: 03/31/10 21:00		Recvd: 04/01/10 07:20		
<u>Volatile Organic Compounds by EPA Method 8021A - cont.</u>										
p-Cymene	ND		40	3.0	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
sec-Butylbenzene	ND		40	2.0	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
Toluene	610		20	3.6	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
Xylenes, total	280		40	5.4	ug/L	100	04/07/10 10:48	LMW	10D0471	8021B
4-Bromofluorobenzene	115 %		Surr Limits: (70-125%)				04/07/10 10:48	LMW	10D0471	8021B
a,a,a-Trifluorotoluene	117 %		Surr Limits: (77-130%)				04/07/10 10:48	LMW	10D0471	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	159000		500	NR	ug/L	1.00	04/02/10 21:50	LMH	10D0130	200.7
Iron	633		50	NR	ug/L	1.00	04/02/10 21:50	LMH	10D0130	200.7
Magnesium	75300		200	NR	ug/L	1.00	04/02/10 21:50	LMH	10D0130	200.7
Potassium	4180		500	NR	ug/L	1.00	04/02/10 21:50	LMH	10D0130	200.7
Sodium	73900		1000	NR	ug/L	1.00	04/02/10 21:50	LMH	10D0130	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	393		100	19.6	mg/L	10.0	04/01/10 21:43	JFR	10D0104	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	137	D08	1.00	0.56	mg/L	2.00	04/05/10 19:41	ALD	10D0347	300
Sulfate	193	D08	10.0	1.74	mg/L	5.00	04/05/10 19:41	ALD	10D0347	300

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Received: 04/01/10

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTD0414-02 (POST-CARBON - Ground Water)						Sampled: 03/31/10 22:30		Recvd: 04/01/10 07:20		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		5.0	0.26	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
1,1,2,2-Tetrachloroethane	ND		5.0	0.21	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
1,1,2-Trichloroethane	ND		5.0	0.23	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
1,1-Dichloroethane	ND		5.0	0.38	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
1,1-Dichloroethene	ND		5.0	0.29	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
1,2-Dichloroethane	ND		5.0	0.21	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
1,2-Dichloroethene, Total	ND		10	0.70	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
1,2-Dichloropropane	ND		5.0	0.33	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
2-Butanone	ND		25	1.3	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
2-Hexanone	ND		25	1.2	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
4-Methyl-2-pentanone	ND		25	0.91	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Acetone	ND		25	1.3	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Benzene	25		5.0	0.41	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Bromodichloromethane	ND		5.0	0.39	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Bromoform	ND		5.0	0.26	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Bromomethane	ND		5.0	0.28	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Carbon disulfide	ND		5.0	0.19	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Carbon Tetrachloride	ND		5.0	0.27	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Chlorobenzene	ND		5.0	0.32	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Dibromochloromethane	ND		5.0	0.32	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Chloroethane	ND		5.0	0.32	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Chloroform	ND		5.0	0.34	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Chloromethane	ND		5.0	0.35	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
cis-1,3-Dichloropropene	ND		5.0	0.36	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Ethylbenzene	ND		5.0	0.18	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Methylene Chloride	ND		5.0	0.44	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Styrene	ND		5.0	0.18	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Tetrachloroethene	ND		5.0	0.36	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Toluene	1.3	J	5.0	0.51	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
trans-1,3-Dichloropropene	ND		5.0	0.37	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Trichloroethene	ND		5.0	0.46	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Vinyl acetate	ND		25	0.85	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Vinyl chloride	0.92	J	5.0	0.24	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
Xylenes, total	ND		15	0.66	ug/L	1.00	04/03/10 15:24	DHC	10D0231	8260B
<i>1,2-Dichloroethane-d4</i>	<i>97 %</i>		<i>Surr Limits: (66-137%)</i>				<i>04/03/10 15:24</i>	<i>DHC</i>	<i>10D0231</i>	<i>8260B</i>
<i>4-Bromofluorobenzene</i>	<i>83 %</i>		<i>Surr Limits: (73-120%)</i>				<i>04/03/10 15:24</i>	<i>DHC</i>	<i>10D0231</i>	<i>8260B</i>
<i>Toluene-d8</i>	<i>88 %</i>		<i>Surr Limits: (71-126%)</i>				<i>04/03/10 15:24</i>	<i>DHC</i>	<i>10D0231</i>	<i>8260B</i>

Volatile Organic Compounds by EPA Method 8021A

1,2,4-Trimethylbenzene	ND		0.20	0.035	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B
1,3,5-Trimethylbenzene	ND		0.20	0.030	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B
Benzene	32		0.20	0.023	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B
Ethylbenzene	0.59		0.20	0.029	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B
Isopropylbenzene	ND		0.20	0.027	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B
Methyl-t-Butyl Ether (MTBE)	0.61		0.40	0.044	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B
m-Xylene & p-Xylene	0.24	J	0.40	0.054	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B
n-Butylbenzene	ND		0.40	0.031	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B
n-Propylbenzene	ND		0.20	0.028	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B
o-Xylene	0.26		0.20	0.027	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B

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Work Order: RTD0414

Received: 04/01/10
 Reported: 04/14/10 12:53

Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTD0414-02 (POST-CARBON - Ground Water) - cont.						Sampled: 03/31/10 22:30		Recvd: 04/01/10 07:20		
<u>Volatile Organic Compounds by EPA Method 8021A - cont.</u>										
p-Cymene	ND		0.40	0.030	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B
sec-Butylbenzene	ND		0.40	0.020	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B
Toluene	1.7		0.20	0.036	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B
Xylenes, total	0.50		0.40	0.054	ug/L	1.00	04/07/10 11:17	LMW	10D0471	8021B
4-Bromofluorobenzene	114 %		Surr Limits: (70-125%)				04/07/10 11:17	LMW	10D0471	8021B
a,a,a-Trifluorotoluene	108 %		Surr Limits: (77-130%)				04/07/10 11:17	LMW	10D0471	8021B
<u>Semivolatile Organics by GC/MS</u>										
2-Methylnaphthalene	ND		10	0.57	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Acenaphthene	ND		10	0.39	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Acenaphthylene	ND		10	0.36	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Anthracene	ND		10	0.27	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Benzo(a)anthracene	ND		10	0.34	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Benzo(a)pyrene	ND		10	0.45	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Benzo(b)fluoranthene	ND		10	0.32	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Benzo(ghi)perylene	ND		10	0.33	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Benzo(k)fluoranthene	ND		10	0.69	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Biphenyl	ND		10	0.62	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Bis(2-ethylhexyl) phthalate	ND		10	1.7	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Carbazole	ND		10	0.28	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Chrysene	0.44	J, B	10	0.31	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Dibenzo(a,h)anthracene	ND		10	0.40	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Dibenzofuran	ND		10	0.48	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Fluoranthene	ND		10	0.38	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Fluorene	ND		10	0.34	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Indeno(1,2,3-cd)pyrene	ND		10	0.45	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Naphthalene	ND		10	0.72	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Pentachlorophenol	ND		50	2.1	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Phenanthrene	ND		10	0.42	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Phenol	ND		50	0.37	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
Pyrene	ND		10	0.32	ug/L	1.00	04/10/10 13:45	MKP	10D0040	8270C
2,4,6-Tribromophenol	104 %		Surr Limits: (52-132%)				04/10/10 13:45	MKP	10D0040	8270C
2-Fluorobiphenyl	76 %		Surr Limits: (48-120%)				04/10/10 13:45	MKP	10D0040	8270C
2-Fluorophenol	35 %		Surr Limits: (20-120%)				04/10/10 13:45	MKP	10D0040	8270C
Phenol-d5	25 %		Surr Limits: (16-120%)				04/10/10 13:45	MKP	10D0040	8270C
<u>Organochlorine Pesticides and PCBs by EPA Method 608</u>										
4,4'-DDD [2C]	ND		0.056	0.019	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
4,4'-DDE [2C]	ND		0.056	0.013	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
4,4'-DDT [2C]	ND		0.056	0.012	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
Aldrin [2C]	ND		0.056	0.0073	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
alpha-BHC [2C]	ND		0.056	0.0073	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
beta-BHC [2C]	ND		0.056	0.028	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
Chlordane [2C]	ND		0.56	0.032	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
delta-BHC [2C]	ND		0.056	0.011	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
Dieldrin [2C]	ND		0.056	0.022	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
Endosulfan I [2C]	ND		0.056	0.012	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
Endosulfan II [2C]	ND		0.056	0.013	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
Endosulfan sulfate [2C]	ND		0.056	0.017	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608

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 Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTD0414-02 (POST-CARBON - Ground Water) - cont.						Sampled: 03/31/10 22:30		Recvd: 04/01/10 07:20		
<u>Organochlorine Pesticides and PCBs by EPA Method 608 - cont.</u>										
Endrin [2C]	ND		0.056	0.015	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
Endrin aldehyde [2C]	ND		0.056	0.018	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
gamma-BHC (Lindane) [2C]	ND		0.056	0.0067	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
Heptachlor [2C]	ND		0.056	0.0094	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
Heptachlor epoxide [2C]	ND		0.056	0.0059	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
Toxaphene [2C]	ND		0.56	0.13	ug/L	1.00	04/05/10 18:11	MAN	10D0169	608
<i>Decachlorobiphenyl [2C]</i>	71 %		<i>Surr Limits: (15-139%)</i>				04/05/10 18:11	MAN	10D0169	608
<i>Tetrachloro-m-xylene [2C]</i>	72 %		<i>Surr Limits: (30-139%)</i>				04/05/10 18:11	MAN	10D0169	608
<u>Total Metals by EPA 200 Series Methods</u>										
Arsenic	ND		0.0100	NR	mg/L	1.00	04/02/10 22:07	LMH	10D0130	200.7
Iron	221		50	NR	ug/L	1.00	04/02/10 22:07	LMH	10D0130	200.7
Manganese	163		3.0	NR	ug/L	1.00	04/02/10 22:07	LMH	10D0130	200.7
Zinc	ND		0.0100	NR	mg/L	1.00	04/02/10 22:07	LMH	10D0130	200.7
<u>General Chemistry Parameters</u>										
Oil & Grease	ND		5.3	1.5	mg/L	1.00	04/03/10 10:00	JME	10D0244	1664A
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L	1.00	04/01/10 16:30	KLD	10D0107	5210B
Total Cyanide	0.358	CF6	0.0100	0.0050	mg/L	1.00	04/05/10 10:07	jmm	10D0238	335.4
pH	7.78	HFT	NA	0.00	SU	1.00	04/02/10 00:14	MDM	10D0112	4500-H+ B
Total Recoverable Phenolics	ND		0.0050	0.0050	mg/L	1.00	04/11/10 17:55	JFR	10D0536	420.4
Total Dissolved Solids	934		10.0	NR	mg/L	1.00	04/02/10 14:30	AMP	10D0212	2540C
Total Suspended Solids	ND		4.0	4.0	mg/L	1.00	04/02/10 10:40	KLD	10D0207	2540D

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
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Work Order: RTD0414

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 04/01/10
Reported: 04/14/10 12:53

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Anions by EPA Method 300.0									
300	10D0347	RTD0414-01	5.00	mL	5.00	mL	04/05/10 17:09	ALD	Direct Injection - Anions
General Chemistry Parameters									
1664A	10D0244	RTD0414-02	950.00	mL	1,000.00	mL	04/03/10 10:00	JME	No prep Oil and Grease
2540C	10D0212	RTD0414-02	100.00	mL	100.00	mL	04/02/10 14:30	KLD	No prep solids
2540D	10D0207	RTD0414-02	250.00	mL	250.00	mL	04/02/10 10:40	KLD	No prep solids
310.2	10D0104	RTD0414-01	2.00	mL	2.00	mL	04/01/10 18:54	JFR	Alkalinity
335.4	10D0238	RTD0414-02	50.00	mL	50.00	mL	04/03/10 11:25	JME	Cn Digestion
420.4	10D0536	RTD0414-02	50.00	mL	50.00	mL	04/07/10 21:23	RMB	TRP Distillation
4500-H+ B	10D0112	RTD0414-02	1.00	mL	1.00	mL	04/02/10 00:14	MDM	No prep pH
5210B	10D0107	RTD0414-02	300.00	mL	300.00	mL	04/01/10 16:30	MDM	Biochemical Oxygen Demand
Organochlorine Pesticides and PCBs by EPA Method 608									
608	10D0169	RTD0414-02	900.00	mL	10.00	mL	04/05/10 08:00	BML	3510C GC
Semivolatile Organics by GC/MS									
8270C	10D0040	RTD0414-02	1,055.00	mL	1.00	mL	04/01/10 16:00	KMB	3510C MB
Total Metals by EPA 200 Series Methods									
200.7	10D0130	RTD0414-01	50.00	mL	50.00	mL	04/02/10 09:45	DAN	3005A
200.7	10D0130	RTD0414-02	50.00	mL	50.00	mL	04/02/10 09:45	DAN	3005A
Volatile Organic Compounds by EPA 8260B									
8260B	10D0231	RTD0414-01	5.00	mL	5.00	mL	04/03/10 08:45	DHC	5030B MS
8260B	10D0231	RTD0414-02	5.00	mL	5.00	mL	04/03/10 08:45	DHC	5030B MS
Volatile Organic Compounds by EPA Method 8021A									
8021B	10D0471	RTD0414-01	1.00	mL	1.00	mL	04/07/10 06:00	DGB	5030B GC
8021B	10D0471	RTD0414-02	1.00	mL	1.00	mL	04/07/10 06:00	DGB	5030B GC

Chain of Custody Record

Client Information				Sampler: <u>Dennis Hoffman</u>		Lab PM: <u>Brian Fischer</u>		Carrier Tracking: <u>None</u>			CDC No: <u>03242010 11:20 1</u>														
Client Contact: <u>Glenn May</u>				Phone: <u>716-830-0205</u>		E-Mail: <u>Brian.Fischer@testamericainc.com</u>					Page: <u>1</u>														
Company: <u>New York State D.E.C - Buffalo, NY</u>				Paramotor(s) Requested						Job #:															
Address: <u>270 Michigan Avenue</u>				Due Date Requested:								Preservation Codes: A=HCL Z=7 B=NaOH C=Zn Acetate D=Nitric Acid E=Ice N=None S=H2SO4 V=Mr AA Container Codes: A=Amber V=Vial G=Glass P=Poly Plastic T=Teclar													
City: <u>Buffalo</u>				TAT Requested (Business Days): <u>10</u>																					
State, Zip: <u>NY, 14203</u>																									
Phone: <u>(716) 851-7220</u>				PO #: <u>116986</u>																					
Email:				WO #: <u>RTC1280</u>																					
Project Name: <u>NYSDEC-Gastown WWTP(Orly) Site# 915171</u>				Project #: <u>NYSDEC-Gastown WWTP Site# 915171</u>																					
Site: <u>NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT - NY</u>				SSO#: <u></u>																					
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (F=Filterable, G=Grabbed, etc=Specimen, Other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	600	pH	Alk	609pest	SVOA	Tphenols	T-Metals	CN	HEM	TDS	TSS	Cl-SO4	8021VoA	VoAs	Special Instructions/Note:				
				Preserv-Cont Code:	X	X	I-P	I-P	Z-P	I-A	I-A	S-G	D-P	B-P	S-G	I-P	I-P	I-A	A-V	X					
PRE-CARBON	3-31-10	2100	G	W					1				1					1	3	6					
POST-CARBON	3-31-10	2230	G	W			1			2	2	1	1	1	2	1	1		3	16					
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological																									
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																									
Deliverable Requested: I, II, III, IV, Other (specify)											Special Instructions/OC Requirements														
Empty Kit Requisitioned by											Date				Time				Method of Shipment						
Requisitioned by <u>[Signature]</u>											Date/Time: <u>4/1/2010 @ 07:20</u>				Company: <u>[Signature]</u>				Date/Time: <u>4/1/2010 @ 07:20</u>			Company: <u>TEST AMERICA</u>			
Requisitioned by											Date/Time				Company				Date/Time			Company			
Custody Seals Intact: <u>A Yes A No</u>											Custody Seal No				Cooler Temperature(s) °C and Other Remarks: <u>RECEIVED ON ICE @ 4°C</u>										

Analytical Report

Work Order: RTD2104

Project Description

NYSDEC - Gastown: Site# 915171/Pin# H0287

For:

Glenn May

New York State D.E.C. - Buffalo, NY

270 Michigan Avenue

Buffalo, NY 14203



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Wednesday, May 19, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 04/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTD2104

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 04/30/10
Reported: 05/19/10 16:23

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Brian Fischer
Project Manager

Wednesday, May 19, 2010

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTD2104

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 04/30/10
Reported: 05/19/10 16:23

DATA QUALIFIERS AND DEFINITIONS

- B** Analyte was detected in the associated Method Blank.
- D04** Dilution required due to high levels of non-target compounds
- D08** Dilution required due to high concentration of target analyte(s)
- H** Sample analysis performed past method-specified holding time.
- HFT** The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
- J** Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
- N1** See case narrative.
- NR** Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTD2104

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 04/30/10
Reported: 05/19/10 16:23

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTD2104-01 (POST-CARBON - Ground Water)					Sampled: 04/30/10 13:30			Recvd: 04/30/10 14:46		
<u>Volatil Organic Compounds by EPA 8260B</u>										
Chloroform	5.1	D08, H, N1,J	10	3.4	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Ethylbenzene	32	D08, H, N1	10	7.4	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Styrene	7.5	D08, H, N1,J	10	7.3	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Toluene	110	D08, H, N1	10	5.1	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Xylenes, total	33	D08, H, N1	30	6.6	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
<u>Volatil Organic Compounds by EPA Method 8021A</u>										
1,2,4-Trimethylbenzene	5.1	D08,J	10	1.7	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
Benzene	1300	D08	10	1.2	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
Ethylbenzene	45	D08	10	1.4	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
m-Xylene & p-Xylene	32	D08	20	2.7	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
o-Xylene	20	D08	10	1.4	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
Toluene	140	D08	10	1.8	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
Xylenes, total	52	D08	20	2.7	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	330		50	NR	ug/L	1.00	05/03/10 23:06	DAN	10E0003	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.384		0.0100	0.0050	mg/L	1.00	05/04/10 10:51	JME	10E0029	335.4
pH	7.67	HFT	NR	0.00	SU	1.00	04/30/10 22:59	MDM	10D2952	4500-H+ B
Sample ID: RTD2104-01RE1 (POST-CARBON - Ground Water)					Sampled: 04/30/10 13:30			Recvd: 04/30/10 14:46		
<u>Volatil Organic Compounds by EPA 8260B</u>										
Benzene	1300	D08, H, N1	20	8.2	ug/L	20.0	05/18/10 13:11	LH	10E1383	8260B

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Work Order: RTD2104

Received: 04/30/10
 Reported: 05/19/10 16:23

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
 Project Number: NYSDEC

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTD2104-02 (PRE-CARBON - Ground Water)					Sampled: 04/30/10 13:00			Recvd: 04/30/10 14:46		
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	164000		500	NR	ug/L	1.00	05/03/10 23:11	DAN	10E0003	200.7
Iron	1440		50	NR	ug/L	1.00	05/03/10 23:11	DAN	10E0003	200.7
Magnesium	84700		200	NR	ug/L	1.00	05/03/10 23:11	DAN	10E0003	200.7
Potassium	4530		500	NR	ug/L	1.00	05/03/10 23:11	DAN	10E0003	200.7
Sodium	79900		1000	NR	ug/L	1.00	05/03/10 23:11	DAN	10E0003	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	499	D08, B	100	40.0	mg/L	10.0	05/03/10 19:32	JFR	10E0136	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	132	D04	2.00	1.13	mg/L	4.00	05/03/10 22:12	ALD	10E0150	300
Sulfate	192	D08	8.00	1.40	mg/L	4.00	05/03/10 22:12	ALD	10E0150	300

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Buffalo, NY 14203

Work Order: RTD2104

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 04/30/10
Reported: 05/19/10 16:23

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
POST-CARBON	RTD2104-01	Ground Water	04/30/10 13:30	04/30/10 14:46	
PRE-CARBON	RTD2104-02	Ground Water	04/30/10 13:00	04/30/10 14:46	

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Work Order: RTD2104

Received: 04/30/10
Reported: 05/19/10 16:23

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287

Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTD2104-01 (POST-CARBON - Ground Water)						Sampled: 04/30/10 13:30		Recvd: 04/30/10 14:46		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND	D08, H, N1	10	8.2	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
1,1,2,2-Tetrachloroethane	ND	D08, H, N1	10	2.1	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
1,1,2-Trichloroethane	ND	D08, H, N1	10	2.3	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
1,1-Dichloroethane	ND	D08, H, N1	10	3.8	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
1,1-Dichloroethene	ND	D08, H, N1	10	2.9	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
1,2-Dichloroethane	ND	D08, H, N1	10	2.1	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
1,2-Dichloroethene, Total	ND	D08, H, N1	20	7.0	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
1,2-Dichloropropane	ND	D08, H, N1	10	7.2	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
2-Butanone	ND	D08, H, N1	50	13	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
2-Hexanone	ND	D08, H, N1	50	12	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
4-Methyl-2-pentanone	ND	D08, H, N1	50	21	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Acetone	ND	D08, H, N1	50	30	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Bromodichloromethane	ND	D08, H, N1	10	3.9	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Bromoform	ND	D08, H, N1	10	2.6	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Bromomethane	ND	D08, H, N1	10	6.9	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Carbon disulfide	ND	D08, H, N1	10	1.9	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Carbon Tetrachloride	ND	D08, H, N1	10	2.7	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Chlorobenzene	ND	D08, H, N1	10	7.5	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Dibromochloromethane	ND	D08, H, N1	10	3.2	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Chloroethane	ND	D08, H, N1	10	3.2	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Chloroform	5.1	D08, H, N1,J	10	3.4	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Chloromethane	ND	D08, H, N1	10	3.5	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
cis-1,3-Dichloropropene	ND	D08, H, N1	10	3.6	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Ethylbenzene	32	D08, H, N1	10	7.4	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Methylene Chloride	ND	D08, H, N1	10	4.4	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Styrene	7.5	D08, H, N1,J	10	7.3	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Tetrachloroethene	ND	D08, H, N1	10	3.6	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Toluene	110	D08, H, N1	10	5.1	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
trans-1,3-Dichloropropene	ND	D08, H, N1	10	3.7	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Trichloroethene	ND	D08, H, N1	10	4.6	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Vinyl acetate	ND	D08, H, N1	50	8.5	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Vinyl chloride	ND	D08, H, N1	10	9.0	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
Xylenes, total	33	D08, H, N1	30	6.6	ug/L	10.0	05/17/10 13:51	LH	10E1176	8260B
<i>1,2-Dichloroethane-d4</i>	<i>98 %</i>	<i>D08, H, N1</i>	<i>Surr Limits: (66-137%)</i>				<i>05/17/10 13:51</i>	<i>LH</i>	<i>10E1176</i>	<i>8260B</i>
<i>4-Bromofluorobenzene</i>	<i>90 %</i>	<i>D08, H, N1</i>	<i>Surr Limits: (73-120%)</i>				<i>05/17/10 13:51</i>	<i>LH</i>	<i>10E1176</i>	<i>8260B</i>
<i>Toluene-d8</i>	<i>97 %</i>	<i>D08, H, N1</i>	<i>Surr Limits: (71-126%)</i>				<i>05/17/10 13:51</i>	<i>LH</i>	<i>10E1176</i>	<i>8260B</i>

Volatile Organic Compounds by EPA Method 8021A

1,2,4-Trimethylbenzene	5.1	D08,J	10	1.7	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
1,3,5-Trimethylbenzene	ND	D08	10	7.5	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
Benzene	1300	D08	10	1.2	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
Ethylbenzene	45	D08	10	1.4	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
Isopropylbenzene	ND	D08	10	1.4	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
Methyl-t-Butyl Ether (MTBE)	ND	D08	20	2.2	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
m-Xylene & p-Xylene	32	D08	20	2.7	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
n-Butylbenzene	ND	D08	20	1.5	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
n-Propylbenzene	ND	D08	10	6.5	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B

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New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTD2104

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 04/30/10
Reported: 05/19/10 16:23

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTD2104-01 (POST-CARBON - Ground Water) - cont.						Sampled: 04/30/10 13:30		Recvd: 04/30/10 14:46		
<u>Volatile Organic Compounds by EPA Method 8021A - cont.</u>										
o-Xylene	20	D08	10	1.4	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
p-Cymene	ND	D08	20	1.5	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
sec-Butylbenzene	ND	D08	20	1.0	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
Toluene	140	D08	10	1.8	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
Xylenes, total	52	D08	20	2.7	ug/L	50.0	05/05/10 14:34	DGB	10E0291	8021B
4-Bromofluorobenzene	122 %	D08	Surr Limits: (70-125%)				05/05/10 14:34	DGB	10E0291	8021B
a,a,a-Trifluorotoluene	121 %	D08	Surr Limits: (77-130%)				05/05/10 14:34	DGB	10E0291	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	330		50	NR	ug/L	1.00	05/03/10 23:06	DAN	10E0003	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.384		0.0100	0.0050	mg/L	1.00	05/04/10 10:51	JME	10E0029	335.4
pH	7.67	HFT	NA	0.00	SU	1.00	04/30/10 22:59	MDM	10D2952	4500-H+ B

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Work Order: RTD2104

Received: 04/30/10
 Reported: 05/19/10 16:23

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
 Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTD2104-01RE1 (POST-CARBON - Ground Water)					Sampled: 04/30/10 13:30			Recvd: 04/30/10 14:46		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Benzene	1300	D08, H, N1	20	8.2	ug/L	20.0	05/18/10 13:11	LH	10E1383	8260B
1,2-Dichloroethane-d4	100 %	D08, H, N1	Surr Limits: (66-137%)				05/18/10 13:11	LH	10E1383	8260B
4-Bromofluorobenzene	90 %	D08, H, N1	Surr Limits: (73-120%)				05/18/10 13:11	LH	10E1383	8260B
Toluene-d8	98 %	D08, H, N1	Surr Limits: (71-126%)				05/18/10 13:11	LH	10E1383	8260B

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Work Order: RTD2104

Received: 04/30/10
 Reported: 05/19/10 16:23

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287

Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTD2104-02 (PRE-CARBON - Ground Water)					Sampled: 04/30/10 13:00			Recvd: 04/30/10 14:46		
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	164000		500	NR	ug/L	1.00	05/03/10 23:11	DAN	10E0003	200.7
Iron	1440		50	NR	ug/L	1.00	05/03/10 23:11	DAN	10E0003	200.7
Magnesium	84700		200	NR	ug/L	1.00	05/03/10 23:11	DAN	10E0003	200.7
Potassium	4530		500	NR	ug/L	1.00	05/03/10 23:11	DAN	10E0003	200.7
Sodium	79900		1000	NR	ug/L	1.00	05/03/10 23:11	DAN	10E0003	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	499	D08, B	100	40.0	mg/L	10.0	05/03/10 19:32	JFR	10E0136	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	132	D04	2.00	1.13	mg/L	4.00	05/03/10 22:12	ALD	10E0150	300
Sulfate	192	D08	8.00	1.40	mg/L	4.00	05/03/10 22:12	ALD	10E0150	300

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Work Order: RTD2104

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 04/30/10
Reported: 05/19/10 16:23

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Anions by EPA Method 300.0									
300	10E0150	RTD2104-02	5.00	mL	5.00	mL	05/03/10 20:51	ALD	Direct Injection - Anions
General Chemistry Parameters									
310.2	10E0136	RTD2104-02	2.00	mL	2.00	mL	05/03/10 17:19	JFR	Alkalinity
335.4	10E0029	RTD2104-01	50.00	mL	50.00	mL	05/01/10 13:52	RJP	Cn Digestion
4500-H+ B	10D2952	RTD2104-01	1.00	mL	1.00	mL	04/30/10 22:59	MDM	No prep pH
Total Metals by EPA 200 Series Methods									
200.7	10E0003	RTD2104-01	50.00	mL	50.00	mL	05/03/10 10:15	JRK	3005A
200.7	10E0003	RTD2104-02	50.00	mL	50.00	mL	05/03/10 10:15	JRK	3005A
Volatile Organic Compounds by EPA 8260B									
8260B	10E1176	RTD2104-01	5.00	mL	5.00	mL	05/15/10 11:15	LCH	5030B MS
8260B	10E1383	RTD2104-01RE	5.00	mL	5.00	mL	05/18/10 10:57	LCH	5030B MS
Volatile Organic Compounds by EPA Method 8021A									
8021B	10E0291	RTD2104-01	1.00	mL	1.00	mL	05/05/10 07:51	DGB	5030B GC

Chain of Custody Record

WE LEAD. WE SUPPORT. WE TEST.

Client Information			Sampler: <u>Dennis Hoffman</u> Lab PM: Brian Fischer Carrier Tracking No(s):		COC No. 04282010 12:21_1 Page: 1		
Client Contact: Glenn May Phone: (716) 830 2265			E-Mail: Brian.Fischer@testamencainc.com		Job #:		
Company: New York State D.E.C - Buffalo, NY Address: 270 Michigan Avenue City: Buffalo State: NY 14203 Phone: (716) 851-7220 Email:			Due Date Requested: TAT Requested (Business Days): 10 PO #: 116986 WO #: RTD1948 Project #: NYSDEC - Gastown: Site# 015171/Pin# H02B7 S30W#		Parameter(s) Requested		
Project Name: NYSDEC-Gastown WWTP(Mbily) Site# 015171 Site: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT - NY			Field Filled Sample (Yes or No): Perform MS/MSD (Yes or No):		Preservation Codes: A=HCL Z=Z B=NaOH C=Zn Acetate D=Nitric Acid I=Ice N=None S=H2SO4 V=MCAA Container Codes: A=Amber T=Teal G=Glass V=Vial P=Poly/Plastic S=Summa		
Sample Identification			Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Metal, Non-Metal, A=Al)		Total Number of Containers		
Preserve-Cont. Code:			Field Filled Sample (Yes or No): Perform MS/MSD (Yes or No):		Special Instructions/Note:		
POST-CARBON			4-30-10 1330 G W		9		
POST-CARBON			4-30-10 1330 G W		9		
PRE-CARBON			4-30-10 1300 G W		4		
PRE-CARBON			4-30-10 1300 G W		4		
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		
Deliverable Requested 1, II, III, IV, Other (specify)					Special Instructions/QC Requirements:		
Empty Kit Reinquished by:			Date:		Time:		Method of Shipment
Reinquished by: <u>[Signature]</u>			Date/Time: 4-30-10 / 1446		Company: <u>[Signature]</u>		Date/Time: 4-30-10 1446 Company: <u>BUSA</u>
Reinquished by:			Date/Time:		Company:		Date/Time:
Custody Seals Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <u>5.1°C</u>		

Analytical Report

Work Order: RTE1488

Project Description

NYSDEC - Gastown: Site# 915171/Pin# H0287

For:

Glenn May

New York State D.E.C. - Buffalo, NY

270 Michigan Avenue

Buffalo, NY 14203



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Friday, June 11, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 04/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

New York State D.E.C. - Buffalo, NY
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Work Order: RTE1488

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC


Received: 05/28/10
Reported: 06/11/10 15:44

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

The Matrix Spike Blank recovery was below TestAmerica's statistically developed internal laboratory QC limits, for this analyte. This analyte was not a requested spiking compound; therefore the recovery is being reported for advisory purposes only. All other quality control indicators, including the continuing calibration verification, were within method prescribed limits for this analyte.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Brian Fischer
Project Manager

Friday, June 11, 2010

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

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TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
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Work Order: RTE1488

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The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>SpecificMethod</u>	<u>Analyte</u>	<u>Units</u>	<u>Client RL</u>	<u>Lab PQL</u>
8260B	2-Butanone	ug/L	5.0	10
8260B	Acetone	ug/L	5.0	10

New York State D.E.C. - Buffalo, NY
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Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
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Received: 05/28/10
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DATA QUALIFIERS AND DEFINITIONS

- B** Analyte was detected in the associated Method Blank.
- CF6** Results confirmed by reanalysis.
- D08** Dilution required due to high concentration of target analyte(s)
- HFT** The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
- J** Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
- NR** Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

New York State D.E.C. - Buffalo, NY
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Work Order: RTE1488

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 05/28/10
Reported: 06/11/10 15:44

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1488-01 (POST-CARBON - Ground Water)					Sampled: 05/28/10 14:30			Recvd: 05/28/10 15:57		
<u>Volatile Organic Compounds by EPA Method 8021B</u>										
Benzene	2.2		0.20	0.023	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
Methyl-t-Butyl Ether (MTBE)	0.51		0.40	0.044	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
m-Xylene & p-Xylene	0.26	J	0.40	0.054	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
o-Xylene	0.23		0.20	0.027	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
Toluene	0.35	B	0.20	0.036	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
Xylenes, total	0.49		0.40	0.054	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	1860		50	NR	ug/L	1.00	06/02/10 20:23	DAN	10F0050	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.482	CF6	0.0200	0.0100	mg/L	2.00	06/09/10 16:15	RJF	10F0701	335.4
pH	6.96	HFT	NR	0.00	SU	1.00	05/29/10 13:22	AMP	10E2443	4500-H+ B

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Work Order: RTE1488

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 05/28/10
Reported: 06/11/10 15:44

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1488-02 (PRE-CARBON - Ground Water)					Sampled: 05/28/10 13:00			Recvd: 05/28/10 15:57		
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	155000		500	NR	ug/L	1.00	06/02/10 20:28	DAN	10F0050	200.7
Iron	20100		50	NR	ug/L	1.00	06/02/10 20:28	DAN	10F0050	200.7
Magnesium	78500		200	NR	ug/L	1.00	06/02/10 20:28	DAN	10F0050	200.7
Potassium	7820		500	NR	ug/L	1.00	06/02/10 20:28	DAN	10F0050	200.7
Sodium	93600		1000	NR	ug/L	1.00	06/02/10 20:28	DAN	10F0050	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	473	D08, B	100	40.0	mg/L	10.0	06/02/10 11:41	RJF	10F0146	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	171	D08	1.00	0.56	mg/L	2.00	06/10/10 15:49	BWM	10F0972	300
Sulfate	174	D08	4.00	0.70	mg/L	2.00	06/10/10 15:49	BWM	10F0972	300

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Work Order: RTE1488

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 05/28/10
Reported: 06/11/10 15:44

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
POST-CARBON	RTE1488-01	Ground Water	05/28/10 14:30	05/28/10 15:57	
PRE-CARBON	RTE1488-02	Ground Water	05/28/10 13:00	05/28/10 15:57	

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Work Order: RTE1488

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287

Project Number: NYSDEC

Received: 05/28/10

Reported: 06/11/10 15:44

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1488-01 (POST-CARBON - Ground Water)						Sampled: 05/28/10 14:30		Recvd: 05/28/10 15:57		

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND		5.0	0.82	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
1,1,1,2-Tetrachloroethane	ND		5.0	0.21	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
1,1,2-Trichloroethane	ND		5.0	0.23	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
1,1-Dichloroethane	ND		5.0	0.38	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
1,1-Dichloroethene	ND		5.0	0.29	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
1,2-Dichloroethane	ND		5.0	0.21	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
1,2-Dichloroethene, Total	ND		10	0.70	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
1,2-Dichloropropane	ND		5.0	0.72	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
2-Butanone	ND		25	1.3	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
2-Hexanone	ND		25	1.2	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
4-Methyl-2-pentanone	ND		25	2.1	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Acetone	ND		25	3.0	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Benzene	ND		5.0	0.41	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Bromodichloromethane	ND		5.0	0.39	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Bromoform	ND		5.0	0.26	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Bromomethane	ND		5.0	0.69	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Carbon disulfide	ND		5.0	0.19	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Carbon Tetrachloride	ND		5.0	0.27	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Chlorobenzene	ND		5.0	0.75	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Dibromochloromethane	ND		5.0	0.32	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Chloroethane	ND		5.0	0.32	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Chloroform	ND		5.0	0.34	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Chloromethane	ND		5.0	0.35	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
cis-1,3-Dichloropropene	ND		5.0	0.36	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Ethylbenzene	ND		5.0	0.74	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Methylene Chloride	ND		5.0	0.44	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Styrene	ND		5.0	0.73	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Tetrachloroethene	ND		5.0	0.36	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Toluene	ND		5.0	0.51	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
trans-1,3-Dichloropropene	ND		5.0	0.37	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Trichloroethene	ND		5.0	0.46	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Vinyl acetate	ND		25	0.85	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Vinyl chloride	ND		5.0	0.90	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
Xylenes, total	ND		15	0.66	ug/L	1.00	06/08/10 15:13	DHC	10F0612	8260B
1,2-Dichloroethane-d4	106 %			Surr Limits: (66-137%)			06/08/10 15:13	DHC	10F0612	8260B
4-Bromofluorobenzene	93 %			Surr Limits: (73-120%)			06/08/10 15:13	DHC	10F0612	8260B
Toluene-d8	101 %			Surr Limits: (71-126%)			06/08/10 15:13	DHC	10F0612	8260B

Volatile Organic Compounds by EPA Method 8021B

1,2,4-Trimethylbenzene	ND		0.20	0.035	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
1,3,5-Trimethylbenzene	ND		0.20	0.15	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
Benzene	2.2		0.20	0.023	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
Ethylbenzene	ND		0.20	0.029	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
Isopropylbenzene	ND		0.20	0.027	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
Methyl-t-Butyl Ether (MTBE)	0.51		0.40	0.044	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
m-Xylene & p-Xylene	0.26	J	0.40	0.054	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
n-Butylbenzene	ND		0.40	0.031	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
n-Propylbenzene	ND		0.20	0.13	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
o-Xylene	0.23		0.20	0.027	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B

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New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTE1488

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287

Project Number: NYSDEC

Received: 05/28/10

Reported: 06/11/10 15:44

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1488-01 (POST-CARBON - Ground Water) - cont.					Sampled: 05/28/10 14:30			Recvd: 05/28/10 15:57		
<u>Volatile Organic Compounds by EPA Method 8021B - cont.</u>										
p-Cymene	ND		0.40	0.030	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
sec-Butylbenzene	ND		0.40	0.020	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
Toluene	0.35	B	0.20	0.036	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
Xylenes, total	0.49		0.40	0.054	ug/L	1.00	06/01/10 12:56	DGB	10F0027	8021B
<i>4-Bromofluorobenzene</i>	124 %		<i>Surr Limits: (70-125%)</i>				06/01/10 12:56	DGB	10F0027	8021B
<i>a,a,a-Trifluorotoluene</i>	128 %		<i>Surr Limits: (77-130%)</i>				06/01/10 12:56	DGB	10F0027	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	1860		50	NR	ug/L	1.00	06/02/10 20:23	DAN	10F0050	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.482	CF6	0.0200	0.0100	mg/L	2.00	06/09/10 16:15	RJF	10F0701	335.4
pH	6.96	HFT	NA	0.00	SU	1.00	05/29/10 13:22	AMP	10E2443	4500-H+ B

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Work Order: RTE1488

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 05/28/10
Reported: 06/11/10 15:44

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1488-02 (PRE-CARBON - Ground Water)						Sampled: 05/28/10 13:00		Recvd: 05/28/10 15:57		
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	155000		500	NR	ug/L	1.00	06/02/10 20:28	DAN	10F0050	200.7
Iron	20100		50	NR	ug/L	1.00	06/02/10 20:28	DAN	10F0050	200.7
Magnesium	78500		200	NR	ug/L	1.00	06/02/10 20:28	DAN	10F0050	200.7
Potassium	7820		500	NR	ug/L	1.00	06/02/10 20:28	DAN	10F0050	200.7
Sodium	93600		1000	NR	ug/L	1.00	06/02/10 20:28	DAN	10F0050	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	473	D08, B	100	40.0	mg/L	10.0	06/02/10 11:41	RJF	10F0146	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	171	D08	1.00	0.56	mg/L	2.00	06/10/10 15:49	BWM	10F0972	300
Sulfate	174	D08	4.00	0.70	mg/L	2.00	06/10/10 15:49	BWM	10F0972	300

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Work Order: RTE1488

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 05/28/10
Reported: 06/11/10 15:44

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Anions by EPA Method 300.0									
300	10F0972	RTE1488-02	5.00	mL	5.00	mL	06/10/10 14:28	BWM	Direct Injection - Anions
General Chemistry Parameters									
310.2	10F0146	RTE1488-02	2.00	mL	2.00	mL	06/02/10 08:27	RJF	No Prep Alkalinity
335.4	10F0701	RTE1488-01	50.00	mL	50.00	mL	06/08/10 19:45	RMB	Cn Digestion
4500-H+ B	10E2443	RTE1488-01	1.00	mL	1.00	mL	05/29/10 13:22	AMP	No prep pH
Total Metals by EPA 200 Series Methods									
200.7	10F0050	RTE1488-01	50.00	mL	50.00	mL	06/02/10 08:25	KCW	3005A
200.7	10F0050	RTE1488-02	50.00	mL	50.00	mL	06/02/10 08:25	KCW	3005A
Volatile Organic Compounds by EPA 8260B									
8260B	10F0612	RTE1488-01	5.00	mL	5.00	mL	06/08/10 10:39	DHC	5030B MS
Volatile Organic Compounds by EPA Method 8021B									
8021B	10F0027	RTE1488-01	1.00	mL	1.00	mL	06/01/10 08:10	DGB	5030 GC TCLP

Chain of Custody Record

Client Information		Sampler DH of-Tech	Lab PM. Brian Fischer	Carrier Tracking No(s)	LOG No. 05212010 10:49_1										
Client Contact Glenn May		Phone: 76-850-0205	E-Mail: Brian.Fischer@testamericainc.com		Page 1										
Company New York State D.E.C. - Buffalo, NY			Parameter(s) Requested		Job #: FDS00425 (GT)										
Address: 270 Michigan Avenue		Due Date Requested:			Preservation Codes: A=HCL Z=Z B=NaOH C=Zn Acetate D=Nitric Acid E=Trace F=None G=H2SO4 V=MSAA Container Codes: A=Amber T=Tedlar G=Glass V=Vial P=Poly/Plastic S=Substrate										
City: Buffalo		TAT Requested (Business Days) 10													
State, Zip: NY, 14203		PO #: 116986													
Phone: (716) 851-7220		WO #: RTE1090													
Email:		Project #: NYSDEC - Gaslowm Site# 915171/Pin# H0287													
Project Name: NYSDEC-Gastown WWTP(Minly) Site# 915171		SSOW#			Total Number of containers										
Site: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT - NY															
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Aqueous, Solid, Other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	pH	Alk	T-Metals	CN	Cl:-SO4	BOZIV08	V088	Special Instructions/Note:	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radioactive							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months								
Deliverable Requested: I, II, III, IV, Other (specify)							Special Instructions/OC Requirements								
Empty Kit Relinquished by			Date:		Time:		Method of Shipment:								
Relinquished by:			Date/Time: 5-28 1557		Company: of-Tech		Received by:			Date/Time: 5/28/10 1557		Company:			
Relinquished by:			Date/Time:		Company:		Received by:			Date/Time:		Company:			
Relinquished by:			Date/Time:		Company:		Received by:			Date/Time:		Company:			
Custody Seals Intact Δ Yes Δ No		Custody Seal No.,		Colder Temperature(s) °C and Other Remarks: <div style="text-align: center; font-size: 2em;">12.0°C</div>											

Analytical Report

Work Order: RTF1403

Project Description

NYSDEC-Gastown WWTP: Site# 915171

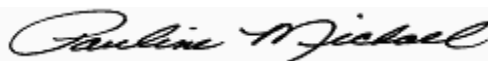
For:

Glenn May

New York State D.E.C. - Buffalo, NY

270 Michigan Avenue

Buffalo, NY 14203



Pauline Michael For Brian Fischer

Project Manager

pauline.michael@testamericainc.com

Thursday, July 15, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

New York State D.E.C. - Buffalo, NY
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Work Order: RTF1403

Project: NYSDEC-Gastown WWTP: Site# 915171
 Project Number: NYSDEC

Received: 06/25/10
 Reported: 07/15/10 09:28

TestAmerica Buffalo Current Certifications

As of 06/17/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California *	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida *	NELAP CWA, RCRA	E87672
Georgia *	SDWA, NELAP CWA, RCRA	956
Illinois *	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas *	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana *	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire *	NELAP SDWA, CWA	233701
New Jersey *	NELAP, SDWA, CWA, RCRA,	NY455
New York *	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon *	CWA, RCRA	NY200003
Pennsylvania *	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas *	NELAP CWA, RCRA	T104704412 -08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington *	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

New York State D.E.C. - Buffalo, NY
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Work Order: RTF1403

Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

Received: 06/25/10

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CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Pauline Michael For Brian Fischer
Project Manager

Thursday, July 15, 2010

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

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TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

New York State D.E.C. - Buffalo, NY
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Work Order: RTF1403

Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

Received: 06/25/10

Reported: 07/15/10 09:28

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>SpecificMethod</u>	<u>Analyte</u>	<u>Units</u>	<u>Client RL</u>	<u>Lab PQL</u>
420.4	Total Recoverable Phenolics	mg/L	0.0050	0.0100
8260B	2-Butanone	ug/L	5.0	10
8260B	Acetone	ug/L	5.0	10
8270C	Dibenzofuran	ug/L	5.0	10

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Work Order: RTF1403

Received: 06/25/10
Reported: 07/15/10 09:28

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

DATA QUALIFIERS AND DEFINITIONS

- B** Analyte was detected in the associated Method Blank.
- D08** Dilution required due to high concentration of target analyte(s)
- H4** Sample was extracted past holding time, but analyzed within analysis holding time.
- HFT** The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
- J** Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
- L4** Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below the acceptance limits. A low bias to sample results is indicated.
- QSU** Sulfur (EPA 3660) clean-up performed on extract.
- NR** Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

New York State D.E.C. - Buffalo, NY
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Work Order: RTF1403

Received: 06/25/10
Reported: 07/15/10 09:28

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF1403-01 (PRE-CARBON - Ground Water)						Sampled: 06/25/10 13:50		Recvd: 06/25/10 16:30		

Volatil Organic Compounds by EPA 8260B

Ethylbenzene	190	D08	5.0	3.7	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Styrene	35	D08	5.0	3.6	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Toluene	460	D08	5.0	2.6	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Xylenes, total	170	D08	15	3.3	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B

Volatil Organic Compounds by EPA Method 8021B

1,2,4-Trimethylbenzene	10		10	1.7	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
Benzene	2800		10	1.2	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
Ethylbenzene	160		10	1.4	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
m-Xylene & p-Xylene	88		20	2.7	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
o-Xylene	59		10	1.4	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
Toluene	370	B	10	1.8	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
Xylenes, total	150		20	2.7	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B

Total Metals by EPA 200 Series Methods

Calcium	147000		500	NR	ug/L	1.00	06/30/10 04:56	DAN	10F2431	200.7
Iron	1100		50	NR	ug/L	1.00	06/30/10 04:56	DAN	10F2431	200.7
Magnesium	78300		200	NR	ug/L	1.00	06/30/10 04:56	DAN	10F2431	200.7
Potassium	4560		500	NR	ug/L	1.00	06/30/10 04:56	DAN	10F2431	200.7
Sodium	77200		1000	NR	ug/L	1.00	06/30/10 04:56	DAN	10F2431	200.7

General Chemistry Parameters

Alkalinity, Total	480	D08	100	40.0	mg/L	10.0	06/29/10 12:39	KLD	10F2504	310.2
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Anions by EPA Method 300.0

Chloride	131	D08	1.00	0.56	mg/L	2.00	07/07/10 05:47	BWM	10G0391	300
Sulfate	176	D08	4.00	0.70	mg/L	2.00	07/07/10 05:47	BWM	10G0391	300

Sample ID: RTF1403-01RE1 (PRE-CARBON - Ground Water)

Sampled: 06/25/10 13:50

Recvd: 06/25/10 16:30

Volatil Organic Compounds by EPA 8260B

Benzene	2900	D08	50	20	ug/L	50.0	07/08/10 18:09	JRS	10G0418	8260B
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Work Order: RTF1403

Received: 06/25/10
 Reported: 07/15/10 09:28

Project: NYSDEC-Gastown WWTP: Site# 915171
 Project Number: NYSDEC

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF1403-02 (POST-CARBON - Ground Water)			Sampled: 06/25/10 15:10				Recvd: 06/25/10 16:30			
<u>Volatile Organic Compounds by EPA 8260B</u>										
Benzene	14		5.0	0.41	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Chloroform	3.0	J	5.0	0.34	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
<u>Volatile Organic Compounds by EPA Method 8021B</u>										
Benzene	14		0.20	0.023	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
Methyl-t-Butyl Ether (MTBE)	0.35	J	0.40	0.044	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
m-Xylene & p-Xylene	0.12	J	0.40	0.054	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
o-Xylene	0.13	J	0.20	0.027	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
Toluene	0.082	J, B	0.20	0.036	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
Xylenes, total	0.25	J	0.40	0.054	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	170		50	NR	ug/L	1.00	06/30/10 05:01	DAN	10F2431	200.7
Manganese	242		3.0	NR	ug/L	1.00	06/30/10 05:01	DAN	10F2431	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.366		0.0100	0.0050	mg/L	1.00	07/01/10 13:02	jmm	10F2518	335.4
pH	7.79	HFT	NR	0.00	SU	1.00	06/25/10 23:36	KLD	10F2294	4500-H+ B
Total Recoverable Phenolics	0.0097		0.0050	0.0050	mg/L	1.00	07/02/10 11:18	JMM	10G0061	420.4
Total Dissolved Solids	961		10.0	NR	mg/L	1.00	06/29/10 21:30	JME	10F2477	2540C

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Work Order: RTF1403

Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

Received: 06/25/10

Reported: 07/15/10 09:28

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
PRE-CARBON	RTF1403-01	Ground Water	06/25/10 13:50	06/25/10 16:30	
POST-CARBON	RTF1403-02	Ground Water	06/25/10 15:10	06/25/10 16:30	

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Work Order: RTF1403

Received: 06/25/10
Reported: 07/15/10 09:28

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF1403-01 (PRE-CARBON - Ground Water)							Sampled: 06/25/10 13:50		Recvd: 06/25/10 16:30	
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND	D08	5.0	4.1	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
1,1,2,2-Tetrachloroethane	ND	D08	5.0	1.1	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
1,1,2-Trichloroethane	ND	D08	5.0	1.2	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
1,1-Dichloroethane	ND	D08	5.0	1.9	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
1,1-Dichloroethene	ND	D08	5.0	1.5	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
1,2-Dichloroethane	ND	D08	5.0	1.1	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
1,2-Dichloroethene, Total	ND	D08	10	3.5	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
1,2-Dichloropropane	ND	D08	5.0	3.6	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
2-Butanone	ND	D08	25	6.6	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
2-Hexanone	ND	D08	25	6.2	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
4-Methyl-2-pentanone	ND	D08	25	10	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Acetone	ND	D08	25	15	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Bromodichloromethane	ND	D08	5.0	1.9	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Bromoform	ND	D08	5.0	1.3	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Bromomethane	ND	D08	5.0	3.4	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Carbon disulfide	ND	D08	5.0	0.97	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Carbon Tetrachloride	ND	D08	5.0	1.3	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Chlorobenzene	ND	D08	5.0	3.8	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Dibromochloromethane	ND	D08	5.0	1.6	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Chloroethane	ND	D08	5.0	1.6	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Chloroform	ND	D08	5.0	1.7	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Chloromethane	ND	D08	5.0	1.7	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
cis-1,3-Dichloropropene	ND	D08	5.0	1.8	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Ethylbenzene	190	D08	5.0	3.7	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Methylene Chloride	ND	D08	5.0	2.2	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Styrene	35	D08	5.0	3.6	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Tetrachloroethene	ND	D08	5.0	1.8	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Toluene	460	D08	5.0	2.6	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
trans-1,3-Dichloropropene	ND	D08	5.0	1.8	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Trichloroethene	ND	D08	5.0	2.3	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Vinyl acetate	ND	D08	25	4.2	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Vinyl chloride	ND	D08	5.0	4.5	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B
Xylenes, total	170	D08	15	3.3	ug/L	5.00	07/02/10 11:40	LH	10G0106	8260B

<i>1,2-Dichloroethane-d4</i>	<i>116 %</i>	<i>D08</i>	<i>Surr Limits: (66-137%)</i>			<i>07/02/10 11:40</i>	<i>LH</i>	<i>10G0106</i>	<i>8260B</i>
<i>4-Bromofluorobenzene</i>	<i>111 %</i>	<i>D08</i>	<i>Surr Limits: (73-120%)</i>			<i>07/02/10 11:40</i>	<i>LH</i>	<i>10G0106</i>	<i>8260B</i>
<i>Toluene-d8</i>	<i>116 %</i>	<i>D08</i>	<i>Surr Limits: (71-126%)</i>			<i>07/02/10 11:40</i>	<i>LH</i>	<i>10G0106</i>	<i>8260B</i>

Volatile Organic Compounds by EPA Method 8021B

1,2,4-Trimethylbenzene	10		10	1.7	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
1,3,5-Trimethylbenzene	ND		10	7.5	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
Benzene	2800		10	1.2	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
Ethylbenzene	160		10	1.4	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
Isopropylbenzene	ND		10	1.4	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
Methyl-t-Butyl Ether (MTBE)	ND		20	2.2	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
m-Xylene & p-Xylene	88		20	2.7	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
n-Butylbenzene	ND		20	1.5	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
n-Propylbenzene	ND		10	6.5	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B

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Work Order: RTF1403

Received: 06/25/10
 Reported: 07/15/10 09:28

Project: NYSDEC-Gastown WWTP: Site# 915171
 Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF1403-01 (PRE-CARBON - Ground Water) - cont.							Sampled: 06/25/10 13:50	Recvd: 06/25/10 16:30		
<u>Volatile Organic Compounds by EPA Method 8021B - cont.</u>										
o-Xylene	59		10	1.4	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
p-Cymene	ND		20	1.5	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
sec-Butylbenzene	ND		20	1.0	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
Toluene	370	B	10	1.8	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
Xylenes, total	150		20	2.7	ug/L	50.0	06/29/10 12:14	DGB	10F2446	8021B
4-Bromofluorobenzene	97 %		<i>Surr Limits: (70-125%)</i>				06/29/10 12:14	DGB	10F2446	8021B
a,a,a-Trifluorotoluene	111 %		<i>Surr Limits: (77-130%)</i>				06/29/10 12:14	DGB	10F2446	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	147000		500	NR	ug/L	1.00	06/30/10 04:56	DAN	10F2431	200.7
Iron	1100		50	NR	ug/L	1.00	06/30/10 04:56	DAN	10F2431	200.7
Magnesium	78300		200	NR	ug/L	1.00	06/30/10 04:56	DAN	10F2431	200.7
Potassium	4560		500	NR	ug/L	1.00	06/30/10 04:56	DAN	10F2431	200.7
Sodium	77200		1000	NR	ug/L	1.00	06/30/10 04:56	DAN	10F2431	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	480	D08	100	40.0	mg/L	10.0	06/29/10 12:39	KLD	10F2504	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	131	D08	1.00	0.56	mg/L	2.00	07/07/10 05:47	BWM	10G0391	300
Sulfate	176	D08	4.00	0.70	mg/L	2.00	07/07/10 05:47	BWM	10G0391	300

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF1403-01RE1 (PRE-CARBON - Ground Water)					Sampled: 06/25/10 13:50			Recvd: 06/25/10 16:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Benzene	2900	D08	50	20	ug/L	50.0	07/08/10 18:09	JRS	10G0418	8260B
1,2-Dichloroethane-d4	90 %	D08	Surr Limits: (66-137%)				07/08/10 18:09	JRS	10G0418	8260B
4-Bromofluorobenzene	85 %	D08	Surr Limits: (73-120%)				07/08/10 18:09	JRS	10G0418	8260B
Toluene-d8	90 %	D08	Surr Limits: (71-126%)				07/08/10 18:09	JRS	10G0418	8260B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF1403-02 (POST-CARBON - Ground Water)						Sampled: 06/25/10 15:10		Recvd: 06/25/10 16:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		5.0	0.82	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
1,1,2,2-Tetrachloroethane	ND		5.0	0.21	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
1,1,2-Trichloroethane	ND		5.0	0.23	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
1,1-Dichloroethane	ND		5.0	0.38	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
1,1-Dichloroethene	ND		5.0	0.29	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
1,2-Dichloroethane	ND		5.0	0.21	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
1,2-Dichloroethene, Total	ND		10	0.70	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
1,2-Dichloropropane	ND		5.0	0.72	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
2-Butanone	ND		25	1.3	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
2-Hexanone	ND		25	1.2	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
4-Methyl-2-pentanone	ND		25	2.1	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Acetone	ND		25	3.0	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Benzene	14		5.0	0.41	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Bromodichloromethane	ND		5.0	0.39	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Bromoform	ND		5.0	0.26	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Bromomethane	ND		5.0	0.69	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Carbon disulfide	ND		5.0	0.19	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Carbon Tetrachloride	ND		5.0	0.27	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Chlorobenzene	ND		5.0	0.75	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Dibromochloromethane	ND		5.0	0.32	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Chloroethane	ND		5.0	0.32	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Chloroform	3.0	J	5.0	0.34	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Chloromethane	ND		5.0	0.35	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
cis-1,3-Dichloropropene	ND		5.0	0.36	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Ethylbenzene	ND		5.0	0.74	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Methylene Chloride	ND		5.0	0.44	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Styrene	ND		5.0	0.73	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Tetrachloroethene	ND		5.0	0.36	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Toluene	ND		5.0	0.51	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
trans-1,3-Dichloropropene	ND		5.0	0.37	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
e										
Trichloroethene	ND		5.0	0.46	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Vinyl acetate	ND		25	0.85	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Vinyl chloride	ND		5.0	0.90	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
Xylenes, total	ND		15	0.66	ug/L	1.00	07/02/10 12:02	LH	10G0106	8260B
1,2-Dichloroethane-d4	109 %		Surr Limits: (66-137%)				07/02/10 12:02	LH	10G0106	8260B
4-Bromofluorobenzene	105 %		Surr Limits: (73-120%)				07/02/10 12:02	LH	10G0106	8260B
Toluene-d8	106 %		Surr Limits: (71-126%)				07/02/10 12:02	LH	10G0106	8260B

Volatile Organic Compounds by EPA Method 8021B

1,2,4-Trimethylbenzene	ND		0.20	0.035	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
1,3,5-Trimethylbenzene	ND		0.20	0.15	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
Benzene	14		0.20	0.023	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
Ethylbenzene	ND		0.20	0.029	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
Isopropylbenzene	ND		0.20	0.027	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
Methyl-t-Butyl Ether (MTBE)	0.35	J	0.40	0.044	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
m-Xylene & p-Xylene	0.12	J	0.40	0.054	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
n-Butylbenzene	ND		0.40	0.031	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
n-Propylbenzene	ND		0.20	0.13	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B

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Work Order: RTF1403

Project: NYSDEC-Gastown WWTP: Site# 915171

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF1403-02 (POST-CARBON - Ground Water) - cont.							Sampled: 06/25/10 15:10		Recvd: 06/25/10 16:30	
<u>Volatile Organic Compounds by EPA Method 8021B - cont.</u>										
o-Xylene	0.13	J	0.20	0.027	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
p-Cymene	ND		0.40	0.030	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
sec-Butylbenzene	ND		0.40	0.020	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
Toluene	0.082	J, B	0.20	0.036	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
Xylenes, total	0.25	J	0.40	0.054	ug/L	1.00	06/29/10 13:44	DGB	10F2446	8021B
4-Bromofluorobenzene	98 %		Surr Limits: (70-125%)				06/29/10 13:44	DGB	10F2446	8021B
a,a,a-Trifluorotoluene	111 %		Surr Limits: (77-130%)				06/29/10 13:44	DGB	10F2446	8021B
<u>Semivolatile Organics by GC/MS</u>										
2-Methylnaphthalene	ND		10	0.57	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Acenaphthene	ND		10	0.39	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Acenaphthylene	ND		10	0.36	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Anthracene	ND		10	0.27	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Benzo(a)anthracene	ND		10	0.34	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Benzo(a)pyrene	ND		10	0.45	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Benzo(b)fluoranthene	ND		10	0.32	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Benzo(ghi)perylene	ND		10	0.33	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Benzo(k)fluoranthene	ND		10	0.70	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Biphenyl	ND		10	0.62	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Bis(2-ethylhexyl) phthalate	ND		10	1.7	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Carbazole	ND		10	0.29	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Chrysene	ND		10	0.31	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Dibenzo(a,h)anthracene	ND		10	0.40	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Dibenzofuran	ND		10	0.49	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Fluoranthene	ND		10	0.38	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Fluorene	ND		10	0.34	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Indeno(1,2,3-cd)pyrene	ND	L4	10	0.45	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Naphthalene	ND		10	0.72	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Pentachlorophenol	ND		50	2.1	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Phenanthrene	ND		10	0.42	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Phenol	ND		50	0.37	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
Pyrene	ND		10	0.32	ug/L	1.00	06/30/10 23:10	JLG	10F2285	8270C
2,4,6-Tribromophenol	92 %		Surr Limits: (52-132%)				06/30/10 23:10	JLG	10F2285	8270C
2-Fluorobiphenyl	71 %		Surr Limits: (48-120%)				06/30/10 23:10	JLG	10F2285	8270C
2-Fluorophenol	36 %		Surr Limits: (20-120%)				06/30/10 23:10	JLG	10F2285	8270C
Nitrobenzene-d5	67 %		Surr Limits: (46-120%)				06/30/10 23:10	JLG	10F2285	8270C
Phenol-d5	29 %		Surr Limits: (16-120%)				06/30/10 23:10	JLG	10F2285	8270C
p-Terphenyl-d14	36 %		Surr Limits: (24-136%)				06/30/10 23:10	JLG	10F2285	8270C
<u>Organochlorine Pesticides and PCBs by EPA Method 608</u>										
4,4'-DDD	ND	QSU	0.051	0.0093	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
4,4'-DDE	ND	QSU	0.051	0.012	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
4,4'-DDT	ND	QSU	0.051	0.011	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
Aldrin	ND	QSU	0.051	0.0067	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
alpha-BHC	ND	QSU	0.051	0.0067	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
beta-BHC	ND	QSU	0.051	0.025	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
Chlordane	ND	QSU	0.51	0.029	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
delta-BHC	ND	QSU	0.051	0.010	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608

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Project Number: NYSDEC

Received: 06/25/10
Reported: 07/15/10 09:28

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF1403-02 (POST-CARBON - Ground Water) - cont.						Sampled: 06/25/10 15:10		Recvd: 06/25/10 16:30		
<u>Organochlorine Pesticides and PCBs by EPA Method 608 - cont.</u>										
Dieldrin	ND	QSU	0.051	0.0099	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
Endosulfan I	ND	QSU	0.051	0.011	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
Endosulfan II	ND	QSU	0.051	0.012	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
Endosulfan sulfate	ND	QSU	0.051	0.016	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
Endrin	ND	QSU	0.051	0.014	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
Endrin aldehyde	ND	QSU	0.051	0.016	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
gamma-BHC (Lindane)	ND	QSU	0.051	0.0061	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
Heptachlor	ND	QSU	0.051	0.0086	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
Heptachlor epoxide	ND	QSU	0.051	0.0054	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
Toxaphene	ND	QSU	0.51	0.12	ug/L	1.00	06/29/10 07:46	DGB	10F2280	608
<i>Decachlorobiphenyl</i>	73 %	QSU	<i>Surr Limits: (15-139%)</i>				06/29/10 07:46	DGB	10F2280	608
<i>Tetrachloro-m-xylene</i>	81 %	QSU	<i>Surr Limits: (30-139%)</i>				06/29/10 07:46	DGB	10F2280	608
<u>Total Metals by EPA 200 Series Methods</u>										
Arsenic	ND		0.0100	NR	mg/L	1.00	06/30/10 05:01	DAN	10F2431	200.7
Iron	170		50	NR	ug/L	1.00	06/30/10 05:01	DAN	10F2431	200.7
Manganese	242		3.0	NR	ug/L	1.00	06/30/10 05:01	DAN	10F2431	200.7
Zinc	ND		0.0100	NR	mg/L	1.00	06/30/10 05:01	DAN	10F2431	200.7
<u>General Chemistry Parameters</u>										
Oil & Grease	ND		5.2	1.5	mg/L	1.00	06/28/10 17:57	RMB	10F2403	1664A
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L	1.00	06/25/10 20:56	RJF	10F2290	5210B
Total Cyanide	0.366		0.0100	0.0050	mg/L	1.00	07/01/10 13:02	jmm	10F2518	335.4
pH	7.79	HFT	NA	0.00	SU	1.00	06/25/10 23:36	KLD	10F2294	4500-H+ B
Total Recoverable Phenolics	0.0097		0.0050	0.0050	mg/L	1.00	07/02/10 11:18	JMM	10G0061	420.4
Total Dissolved Solids	961		10.0	NR	mg/L	1.00	06/29/10 21:30	JME	10F2477	2540C
Total Suspended Solids	ND		4.0	4.0	mg/L	1.00	06/29/10 17:10	AMP	10F2452	2540D

New York State D.E.C. - Buffalo, NY
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 Buffalo, NY 14203

Work Order: RTF1403

Project: NYSDEC-Gastown WWTP: Site# 915171
 Project Number: NYSDEC

Received: 06/25/10
 Reported: 07/15/10 09:28

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF1403-02RE1 (POST-CARBON - Ground Water)			Sampled: 06/25/10 15:10				Recvd: 06/25/10 16:30			
Semivolatile Organics by GC/MS										
2-Methylnaphthalene	ND	H4	10	0.57	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Acenaphthene	ND	H4	10	0.39	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Acenaphthylene	ND	H4	10	0.36	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Anthracene	ND	H4	10	0.26	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Benzo(a)anthracene	ND	H4	10	0.34	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Benzo(a)pyrene	ND	H4	10	0.44	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Benzo(b)fluoranthene	ND	H4	10	0.32	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Benzo(ghi)perylene	ND	H4	10	0.33	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Benzo(k)fluoranthene	ND	H4	10	0.69	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Biphenyl	ND	H4	10	0.62	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Bis(2-ethylhexyl) phthalate	ND	H4	10	1.7	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Carbazole	ND	H4	10	0.28	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Chrysene	ND	H4	10	0.31	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Dibenzo(a,h)anthracene	ND	H4	10	0.40	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Dibenzofuran	ND	H4	10	0.48	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Fluoranthene	ND	H4	10	0.38	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Fluorene	ND	H4	10	0.34	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Indeno(1,2,3-cd)pyrene	ND	H4,L4	10	0.44	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Naphthalene	ND	H4	10	0.72	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Pentachlorophenol	ND	H4	50	2.1	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Phenanthrene	ND	H4	10	0.42	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Phenol	ND	H4	50	0.37	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
Pyrene	ND	H4	10	0.32	ug/L	1.00	07/13/10 17:00	JLG	10G0649	8270C
<i>2,4,6-Tribromophenol</i>	78 %	H4	<i>Surr Limits: (52-132%)</i>				07/13/10 17:00	JLG	10G0649	8270C
<i>2-Fluorobiphenyl</i>	75 %	H4	<i>Surr Limits: (48-120%)</i>				07/13/10 17:00	JLG	10G0649	8270C
<i>2-Fluorophenol</i>	35 %	H4	<i>Surr Limits: (20-120%)</i>				07/13/10 17:00	JLG	10G0649	8270C
<i>Nitrobenzene-d5</i>	71 %	H4	<i>Surr Limits: (46-120%)</i>				07/13/10 17:00	JLG	10G0649	8270C
<i>Phenol-d5</i>	23 %	H4	<i>Surr Limits: (16-120%)</i>				07/13/10 17:00	JLG	10G0649	8270C
<i>p-Terphenyl-d14</i>	35 %	H4	<i>Surr Limits: (24-136%)</i>				07/13/10 17:00	JLG	10G0649	8270C

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Work Order: RTF1403

Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

Received: 06/25/10

Reported: 07/15/10 09:28

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Anions by EPA Method 300.0									
300	10G0391	RTF1403-01	5.00	mL	5.00	mL	07/07/10 05:27	BWM	Direct Injection - Anions
General Chemistry Parameters									
1664A	10F2403	RTF1403-02	960.00	mL	1,000.00	mL	06/28/10 15:30	RMB	Oil and Grease
2540C	10F2477	RTF1403-02	100.00	mL	100.00	mL	06/29/10 21:30	JLN	No prep solids
2540D	10F2452	RTF1403-02	250.00	mL	250.00	mL	06/29/10 17:10	AMP	No prep solids
310.2	10F2504	RTF1403-01	2.00	mL	2.00	mL	06/29/10 09:59	KLD	No Prep Alkalinity
335.4	10F2518	RTF1403-02	50.00	mL	50.00	mL	06/29/10 17:54	RMB	Cn Digestion
420.4	10G0061	RTF1403-02	50.00	mL	50.00	mL	07/01/10 15:22	JLN	TRP Distillation
4500-H+ B	10F2294	RTF1403-02	50.00	mL	50.00	mL	06/25/10 23:36	MDM	No prep pH
5210B	10F2290	RTF1403-02	300.00	mL	300.00	mL	06/25/10 20:56	MDM	Biochemical Oxygen Demand
Organochlorine Pesticides and PCBs by EPA Method 608									
608	10F2280	RTF1403-02	990.00	mL	10.00	mL	06/26/10 08:00	EKD	3510C GC
Semivolatile Organics by GC/MS									
8270C	10F2285	RTF1403-02	1,050.00	mL	1.00	mL	06/26/10 08:00	CJM	3510C MB
8270C	10G0649	RTF1403-02RE1	1,060.00	mL	1.00	mL	07/12/10 14:00	LTT	3510C MB
Total Metals by EPA 200 Series Methods									
200.7	10F2431	RTF1403-01	50.00	mL	50.00	mL	06/29/10 08:50	KCW	3005A
200.7	10F2431	RTF1403-02	50.00	mL	50.00	mL	06/29/10 08:50	KCW	3005A
Volatile Organic Compounds by EPA 8260B									
8260B	10G0106	RTF1403-01	5.00	mL	5.00	mL	07/02/10 09:07	DHC	5030B MS
8260B	10G0106	RTF1403-02	5.00	mL	5.00	mL	07/02/10 09:07	DHC	5030B MS
8260B	10G0418	RTF1403-01RE1	5.00	mL	5.00	mL	07/08/10 11:00	JRS	5030B MS
Volatile Organic Compounds by EPA Method 8021B									
8021B	10F2446	RTF1403-01	1.00	mL	1.00	mL	06/29/10 08:00	DGB	5030B GC
8021B	10F2446	RTF1403-02	1.00	mL	1.00	mL	06/29/10 08:00	DGB	5030B GC

Chain of Custody Record

TestAmerica

Client Information			Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:																
Client Contact: Glenn May			D. Hoffman Phone: (716) 830-0205	Brian Fischer E-Mail: Brian.Fischer@testamericainc.com		06222010 13:29_1																
Company: New York State D.E.C. - Buffalo, NY			Parameter(s) Requested			Page: 1																
Address: 270 Michigan Avenue		Due Date Requested:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)		Job #: Preservation Codes: A=HCL Z=Z B=NaOH C=Zn Acetate D=Nitric Acid I=Ice N=None S=H2SO4 V=MCAA Container Codes: A=Amber T=Tedlar G=Glass V=Vial P=Poly/Plastic S=Summa																
City: Buffalo		TAT Requested (Business Days) 10																				
State, Zip: NY, 14203		PO #: 116986																				
Phone: (716) 851-7220		WO #: RTF1200																				
Email:		Project #: NYSDEC-Gastown WWTP: Site# 915171																				
Project Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT - NY		SSOW#:																				
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	BOD	pH	Alk	608Pest	SVOA	T-phenols	T-Metals	CN	HEM	TDS	TSS	Cl::SO4	8021Voas	Voas	Special Instructions/Note:	
			Preserv-Cont Code:				I-P	I-P	Z-P	I-A	I-A	S-G	D-P	B-P	S-G	I-P	I-P	I-A	A-V	A-K		
PRE-CARBON		1350	G	W					1				1						1	3	6	None
POST-CARBON		510	G	W			1	1		2	2	1	1	1	2	1	1		3	16		None
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																	
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements:																	
Empty Kit Relinquished by:			Date:	Time:	Method of Shipment:																	
Relinquished by: <i>David Hoff</i>		Date/Time: 6-25-10 1630	Company: ORTECH	Received by: <i>CR J</i>	Date/Time: 6/25/10 1630	Company: <i>TRK</i>																
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:	Company:																
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:	Company:																
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks: 6.0																	

Analytical Report

Work Order: RTG1633

Project Description

NYSDEC - Gastown: Site# 915171/Pin# H0287

For:

Glenn May

New York State D.E.C. - Buffalo, NY

270 Michigan Avenue

Buffalo, NY 14203



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Friday, August 6, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 06/17/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California *	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida *	NELAP CWA, RCRA	E87672
Georgia *	SDWA, NELAP CWA, RCRA	956
Illinois *	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas *	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana *	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire *	NELAP SDWA, CWA	233701
New Jersey *	NELAP, SDWA, CWA, RCRA,	NY455
New York *	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon *	CWA, RCRA	NY200003
Pennsylvania *	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas *	NELAP CWA, RCRA	T104704412 -08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington *	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTG1633

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 07/28/10
Reported: 08/06/10 14:25

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Brian Fischer
Project Manager

Friday, August 6, 2010

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

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TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
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Work Order: RTG1633

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

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The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>SpecificMethod</u>	<u>Analyte</u>	<u>Units</u>	<u>Client RL</u>	<u>Lab PQL</u>
8260B	2-Butanone	ug/L	5.0	10
8260B	Acetone	ug/L	5.0	10

New York State D.E.C. - Buffalo, NY
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Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
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Received: 07/28/10
Reported: 08/06/10 14:25

DATA QUALIFIERS AND DEFINITIONS

- D08** Dilution required due to high concentration of target analyte(s)
- HFT** The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
- J** Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
- NR** Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTG1633

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 07/28/10
Reported: 08/06/10 14:25

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTG1633-01 (POST-CARBON - Ground Water)					Sampled: 07/28/10 12:10			Recvd: 07/28/10 13:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Acetone	3.1	J	25	3.0	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Carbon disulfide	3.2	J	5.0	0.19	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
<u>General Chemistry Parameters</u>										
Total Cyanide	0.0094	J	0.0100	0.0050	mg/L	1.00	08/03/10 09:55	jmm	10H0049	335.4
pH	7.91	HFT	NR	0.00	SU	1.00	07/28/10 19:20	JFR	10G2109	4500-H+ B

New York State D.E.C. - Buffalo, NY
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Work Order: RTG1633

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 07/28/10
Reported: 08/06/10 14:25

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTG1633-02 (PRE-CARBON - Ground Water)					Sampled: 07/28/10 12:25			Recvd: 07/28/10 13:30		
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	151000		500	NR	ug/L	1.00	07/30/10 04:59	AMH	10G2058	200.7
Iron	7000		50	NR	ug/L	1.00	07/30/10 04:59	AMH	10G2058	200.7
Magnesium	83300		200	NR	ug/L	1.00	07/30/10 04:59	AMH	10G2058	200.7
Potassium	5850		500	NR	ug/L	1.00	07/30/10 04:59	AMH	10G2058	200.7
Sodium	92600		1000	NR	ug/L	1.00	07/30/10 04:59	AMH	10G2058	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	514	D08	100	40.0	mg/L	10.0	07/29/10 16:43	JFR	10G2150	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	145	D08	1.00	0.56	mg/L	2.00	08/02/10 21:47	RMM	10H0041	300
Sulfate	172	D08	4.00	0.70	mg/L	2.00	08/02/10 21:47	RMM	10H0041	300

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Work Order: RTG1633

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 07/28/10
Reported: 08/06/10 14:25

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
POST-CARBON	RTG1633-01	Ground Water	07/28/10 12:10	07/28/10 13:30	
PRE-CARBON	RTG1633-02	Ground Water	07/28/10 12:25	07/28/10 13:30	

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTG1633

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287

Project Number: NYSDEC

Received: 07/28/10

Reported: 08/06/10 14:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTG1633-01 (POST-CARBON - Ground Water)						Sampled: 07/28/10 12:10		Recvd: 07/28/10 13:30		

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND		5.0	0.82	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
1,1,2,2-Tetrachloroethane	ND		5.0	0.21	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
1,1,2-Trichloroethane	ND		5.0	0.23	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
1,1-Dichloroethane	ND		5.0	0.38	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
1,1-Dichloroethene	ND		5.0	0.29	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
1,2-Dichloroethane	ND		5.0	0.21	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
1,2-Dichloroethene, Total	ND		10	0.70	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
1,2-Dichloropropane	ND		5.0	0.72	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
2-Butanone	ND		25	1.3	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
2-Hexanone	ND		25	1.2	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
4-Methyl-2-pentanone	ND		25	2.1	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Acetone	3.1	J	25	3.0	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Benzene	ND		5.0	0.41	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Bromodichloromethane	ND		5.0	0.39	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Bromoform	ND		5.0	0.26	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Bromomethane	ND		5.0	0.69	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Carbon disulfide	3.2	J	5.0	0.19	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Carbon Tetrachloride	ND		5.0	0.27	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Chlorobenzene	ND		5.0	0.75	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Dibromochloromethane	ND		5.0	0.32	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Chloroethane	ND		5.0	0.32	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Chloroform	ND		5.0	0.34	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Chloromethane	ND		5.0	0.35	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
cis-1,3-Dichloropropene	ND		5.0	0.36	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Ethylbenzene	ND		5.0	0.74	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Methylene Chloride	ND		5.0	0.44	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Styrene	ND		5.0	0.73	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Tetrachloroethene	ND		5.0	0.36	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Toluene	ND		5.0	0.51	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
trans-1,3-Dichloropropene	ND		5.0	0.37	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Trichloroethene	ND		5.0	0.46	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Vinyl acetate	ND		25	0.85	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Vinyl chloride	ND		5.0	0.90	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
Xylenes, total	ND		15	0.66	ug/L	1.00	08/02/10 17:20	LH	10H0018	8260B
1,2-Dichloroethane-d4	93 %		Surr Limits: (66-137%)				08/02/10 17:20	LH	10H0018	8260B
4-Bromofluorobenzene	83 %		Surr Limits: (73-120%)				08/02/10 17:20	LH	10H0018	8260B
Toluene-d8	89 %		Surr Limits: (71-126%)				08/02/10 17:20	LH	10H0018	8260B

Volatile Organic Compounds by EPA Method 8021B

1,2,4-Trimethylbenzene	ND		0.20	0.035	ug/L	1.00	08/04/10 19:59	DGB	10H0292	8021B
1,3,5-Trimethylbenzene	ND		0.20	0.15	ug/L	1.00	08/04/10 19:59	DGB	10H0292	8021B
Benzene	ND		0.20	0.023	ug/L	1.00	08/04/10 19:59	DGB	10H0292	8021B
Ethylbenzene	ND		0.20	0.029	ug/L	1.00	08/04/10 19:59	DGB	10H0292	8021B
Isopropylbenzene	ND		0.20	0.027	ug/L	1.00	08/04/10 19:59	DGB	10H0292	8021B
Methyl-t-Butyl Ether (MTBE)	ND		0.40	0.044	ug/L	1.00	08/04/10 19:59	DGB	10H0292	8021B
m-Xylene & p-Xylene	ND		0.40	0.054	ug/L	1.00	08/04/10 19:59	DGB	10H0292	8021B
n-Butylbenzene	ND		0.40	0.031	ug/L	1.00	08/04/10 19:59	DGB	10H0292	8021B
n-Propylbenzene	ND		0.20	0.13	ug/L	1.00	08/04/10 19:59	DGB	10H0292	8021B
o-Xylene	ND		0.20	0.027	ug/L	1.00	08/04/10 19:59	DGB	10H0292	8021B

TestAmerica Buffalo - 10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

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New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTG1633

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 07/28/10
Reported: 08/06/10 14:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTG1633-01 (POST-CARBON - Ground Water) - cont.					Sampled: 07/28/10 12:10			Recvd: 07/28/10 13:30		
<u>Volatile Organic Compounds by EPA Method 8021B - cont.</u>										
p-Cymene	ND		0.40	0.030	ug/L	1.00	08/04/10 19:59	DGB	10H0292	8021B
sec-Butylbenzene	ND		0.40	0.020	ug/L	1.00	08/04/10 19:59	DGB	10H0292	8021B
Toluene	ND		0.20	0.036	ug/L	1.00	08/04/10 19:59	DGB	10H0292	8021B
Xylenes, total	ND		0.40	0.054	ug/L	1.00	08/04/10 19:59	DGB	10H0292	8021B
4-Bromofluorobenzene	120 %		<i>Surr Limits: (70-125%)</i>				08/04/10 19:59	DGB	10H0292	8021B
a,a,a-Trifluorotoluene	105 %		<i>Surr Limits: (77-130%)</i>				08/04/10 19:59	DGB	10H0292	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	ND		50	NR	ug/L	1.00	07/30/10 04:53	AMH	10G2058	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.0094	J	0.0100	0.0050	mg/L	1.00	08/03/10 09:55	jmm	10H0049	335.4
pH	7.91	HFT	NA	0.00	SU	1.00	07/28/10 19:20	JFR	10G2109	4500-H+ B

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Work Order: RTG1633

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 07/28/10
Reported: 08/06/10 14:25

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTG1633-02 (PRE-CARBON - Ground Water)					Sampled: 07/28/10 12:25			Recvd: 07/28/10 13:30		
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	151000		500	NR	ug/L	1.00	07/30/10 04:59	AMH	10G2058	200.7
Iron	7000		50	NR	ug/L	1.00	07/30/10 04:59	AMH	10G2058	200.7
Magnesium	83300		200	NR	ug/L	1.00	07/30/10 04:59	AMH	10G2058	200.7
Potassium	5850		500	NR	ug/L	1.00	07/30/10 04:59	AMH	10G2058	200.7
Sodium	92600		1000	NR	ug/L	1.00	07/30/10 04:59	AMH	10G2058	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	514	D08	100	40.0	mg/L	10.0	07/29/10 16:43	JFR	10G2150	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	145	D08	1.00	0.56	mg/L	2.00	08/02/10 21:47	RMM	10H0041	300
Sulfate	172	D08	4.00	0.70	mg/L	2.00	08/02/10 21:47	RMM	10H0041	300

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Work Order: RTG1633

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 07/28/10
Reported: 08/06/10 14:25

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Anions by EPA Method 300.0									
300	10H0041	RTG1633-02	5.00	mL	5.00	mL	08/02/10 12:22	RMM	Direct Injection - Anions
General Chemistry Parameters									
310.2	10G2150	RTG1633-02	2.00	mL	2.00	mL	07/29/10 14:50	JFR	Alkalinity
335.4	10H0049	RTG1633-01	50.00	mL	50.00	mL	08/02/10 11:00	KLD	Cn Digestion
4500-H+ B	10G2109	RTG1633-01	1.00	mL	1.00	mL	07/28/10 19:20	JFR	pH
Total Metals by EPA 200 Series Methods									
200.7	10G2058	RTG1633-01	50.00	mL	50.00	mL	07/29/10 09:30	JRK	3005A
200.7	10G2058	RTG1633-02	50.00	mL	50.00	mL	07/29/10 09:30	JRK	3005A
Volatile Organic Compounds by EPA 8260B									
8260B	10H0018	RTG1633-01	5.00	mL	5.00	mL	08/02/10 09:11	LCH	5030B MS
Volatile Organic Compounds by EPA Method 8021B									
8021B	10H0292	RTG1633-01	1.00	mL	1.00	mL	08/04/10 14:00	LMW	5030B GC

Chain of Custody Record

Client Information		Sample: T. Palmer / GES	Lab # Brian Fischer		Carrier Tracking No(s)		DOC No 07212010 13 35 1									
Client Contact Glenn May		Phone: (484) 325-0206	E-Mail: Brian.Fischer@testamerica.com				Page: 1									
Company New York State D.E.C. - Buffalo, NY						Parameter(s) Requested		Job #								
Address: 270 Michigan Avenue		Due Date Requested:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Preservation Codes: A=HCL Z=Z B=NaOH C=Zn Acetate D=Nitric Acid E=Ice N=None S=StS04 V=MCMA Container Codes: A=Amber T=Teal G=Glass V=Vig P=Poly/Plastic S=Summa								
City Buffalo		TAT Requested (Business Days) 10														
State/Zip NY, 14203		PU # 116986														
Phone: (716) 851-7220		W.D.#														
Email		RTG:1351														
Project Name: NYSDEC-Gastown WWTP(MHly) Site# 915171		Project # NYSDEC - Gastown; Site# 915171/Pin# H0287														
Site: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT - NY		SSO#														
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (T=metal, L=liquid, S=solid) BT=Trace A=As							Special Instructions/Note.				
				Preserv-Cont Code:		Field Filtered	Perform MS/MSD	pH	Alk	T-Metals	CN	Cl:-SO4	SO2/Voa	Voa	Total Number of containers	
								LP	Z-P	D-P	B-P	I-A	A-V	A-V		
								1	1	1			3	3		
										1		2				
POST-CARBON		7-28-10	1210	G	W											
PRE-CARBON		7-28-10	1225	G	W											
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)										
						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months										
Deliverable Requested I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:										
Empty Kit Requisitioned by		Date:		Lot#		Method or Shipment										
Requisitioned by: <i>Glenn May</i>		Date/Time: 7-28-10 1550		Company: GES		Received by: <i>Glenn May</i>		Date/Time: 7-28-10 1550		Company: GES						
Requisitioned by:		Date/Time:		Company:		Received by:		Date/Time:		Company:						
Requisitioned by:		Date/Time:		Company:		Received by:		Date/Time:		Company:						
Custody Seals intact A Yes N No		Custody Seal No.		Custody Temperature(s) °C and Other Remarks: 4.7°C												

Analytical Report

Work Order: RTH1438

Project Description

NYSDEC - Gastown: Site# 915171/Pin# H0287

For:

Glenn May

New York State D.E.C. - Buffalo, NY

270 Michigan Avenue

Buffalo, NY 14203



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Monday, September 13, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA, RCRA	NY200003
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTH1438

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 08/27/10
Reported: 09/13/10 09:47

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Brian Fischer
Project Manager

Monday, September 13, 2010

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

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TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
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Work Order: RTH1438

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

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The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>SpecificMethod</u>	<u>Analyte</u>	<u>Units</u>	<u>Client RL</u>	<u>Lab PQL</u>
8260B	2-Butanone	ug/L	5.0	10
8260B	Acetone	ug/L	5.0	10

New York State D.E.C. - Buffalo, NY
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Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
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Received: 08/27/10
Reported: 09/13/10 09:47

DATA QUALIFIERS AND DEFINITIONS

- B** Analyte was detected in the associated Method Blank.
- CF6** Results confirmed by reanalysis.
- D08** Dilution required due to high concentration of target analyte(s)
- NR** Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTH1438

Received: 08/27/10
Reported: 09/13/10 09:47

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1438-01 (POST-CARBON - Ground Water)						Sampled: 08/27/10 10:40		Recvd: 08/27/10 11:35		
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	179		50	NR	ug/L	1.00	09/04/10 16:54	MxM	10H2044	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.341	CF6	0.0100	0.0050	mg/L	1.00	09/04/10 10:42	JME	10I0197	335.4
pH	7.80		NR	0.00	SU	1.00	08/27/10 20:50	LRM	10H2030	4500-H+ B

New York State D.E.C. - Buffalo, NY
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Work Order: RTH1438

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 08/27/10
Reported: 09/13/10 09:47

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1438-02 (PRE-CARBON - Ground Water)					Sampled: 08/27/10 10:50			Recvd: 08/27/10 11:35		
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	138000		500	NR	ug/L	1.00	09/04/10 16:56	MxM	10H2044	200.7
Iron	430		50	NR	ug/L	1.00	09/04/10 16:56	MxM	10H2044	200.7
Magnesium	79500		200	NR	ug/L	1.00	09/04/10 16:56	MxM	10H2044	200.7
Potassium	5250		500	NR	ug/L	1.00	09/04/10 16:56	MxM	10H2044	200.7
Sodium	95200		1000	NR	ug/L	1.00	09/08/10 18:48	MxM	10H2044	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	481	D08, B	100	40.0	mg/L	10.0	08/31/10 11:53	KLD	10H2217	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	160	D08	1.00	0.56	mg/L	2.00	08/30/10 21:15	RMM	10H2105	300
Sulfate	158	D08	10.0	1.74	mg/L	5.00	09/01/10 19:59	RMM	10H2252	300

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Work Order: RTH1438

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 08/27/10
Reported: 09/13/10 09:47

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
POST-CARBON	RTH1438-01	Ground Water	08/27/10 10:40	08/27/10 11:35	
PRE-CARBON	RTH1438-02	Ground Water	08/27/10 10:50	08/27/10 11:35	

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Project Number: NYSDEC

Received: 08/27/10

Reported: 09/13/10 09:47

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1438-01 (POST-CARBON - Ground Water)					Sampled: 08/27/10 10:40			Recvd: 08/27/10 11:35		

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND		5.0	0.82	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
1,1,2,2-Tetrachloroethane	ND		5.0	0.21	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
1,1,2-Trichloroethane	ND		5.0	0.23	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
1,1-Dichloroethane	ND		5.0	0.38	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
1,1-Dichloroethene	ND		5.0	0.29	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
1,2-Dichloroethane	ND		5.0	0.21	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
1,2-Dichloroethene, Total	ND		10	0.70	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
1,2-Dichloropropane	ND		5.0	0.72	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
2-Butanone	ND		25	1.3	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
2-Hexanone	ND		25	1.2	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
4-Methyl-2-pentanone	ND		25	2.1	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Acetone	ND		25	3.0	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Benzene	ND		5.0	0.41	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Bromodichloromethane	ND		5.0	0.39	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Bromoform	ND		5.0	0.26	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Bromomethane	ND		5.0	0.69	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Carbon disulfide	ND		5.0	0.19	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Carbon Tetrachloride	ND		5.0	0.27	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Chlorobenzene	ND		5.0	0.75	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Dibromochloromethane	ND		5.0	0.32	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Chloroethane	ND		5.0	0.32	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Chloroform	ND		5.0	0.34	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Chloromethane	ND		5.0	0.35	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
cis-1,3-Dichloropropene	ND		5.0	0.36	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Ethylbenzene	ND		5.0	0.74	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Methylene Chloride	ND		5.0	0.44	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Styrene	ND		5.0	0.73	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Tetrachloroethene	ND		5.0	0.36	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Toluene	ND		5.0	0.51	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
trans-1,3-Dichloropropene	ND		5.0	0.37	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Trichloroethene	ND		5.0	0.46	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Vinyl acetate	ND		25	0.85	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Vinyl chloride	ND		5.0	0.90	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
Xylenes, total	ND		15	0.66	ug/L	1.00	09/07/10 19:15	JRS	10I0281	8260B
1,2-Dichloroethane-d4	110 %		Surr Limits: (66-137%)				09/07/10 19:15	JRS	10I0281	8260B
4-Bromofluorobenzene	99 %		Surr Limits: (73-120%)				09/07/10 19:15	JRS	10I0281	8260B
Toluene-d8	104 %		Surr Limits: (71-126%)				09/07/10 19:15	JRS	10I0281	8260B

Volatile Organic Compounds by EPA Method 8021B

1,2,4-Trimethylbenzene	ND		0.20	0.035	ug/L	1.00	09/01/10 15:04	DGB	10I0032	8021B
1,3,5-Trimethylbenzene	ND		0.20	0.15	ug/L	1.00	09/01/10 15:04	DGB	10I0032	8021B
Benzene	ND		0.20	0.023	ug/L	1.00	09/01/10 15:04	DGB	10I0032	8021B
Ethylbenzene	ND		0.20	0.029	ug/L	1.00	09/01/10 15:04	DGB	10I0032	8021B
Isopropylbenzene	ND		0.20	0.027	ug/L	1.00	09/01/10 15:04	DGB	10I0032	8021B
Methyl-t-Butyl Ether (MTBE)	ND		0.40	0.044	ug/L	1.00	09/01/10 15:04	DGB	10I0032	8021B
m-Xylene & p-Xylene	ND		0.40	0.054	ug/L	1.00	09/01/10 15:04	DGB	10I0032	8021B
n-Butylbenzene	ND		0.40	0.031	ug/L	1.00	09/01/10 15:04	DGB	10I0032	8021B
n-Propylbenzene	ND		0.20	0.13	ug/L	1.00	09/01/10 15:04	DGB	10I0032	8021B
o-Xylene	ND		0.20	0.027	ug/L	1.00	09/01/10 15:04	DGB	10I0032	8021B

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Work Order: RTH1438

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 08/27/10
Reported: 09/13/10 09:47

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1438-01 (POST-CARBON - Ground Water) - cont.					Sampled: 08/27/10 10:40			Recvd: 08/27/10 11:35		
<u>Volatile Organic Compounds by EPA Method 8021B - cont.</u>										
p-Cymene	ND		0.40	0.030	ug/L	1.00	09/01/10 15:04	DGB	10I0032	8021B
sec-Butylbenzene	ND		0.40	0.020	ug/L	1.00	09/01/10 15:04	DGB	10I0032	8021B
Toluene	ND		0.20	0.036	ug/L	1.00	09/01/10 15:04	DGB	10I0032	8021B
Xylenes, total	ND		0.40	0.054	ug/L	1.00	09/01/10 15:04	DGB	10I0032	8021B
4-Bromofluorobenzene	105 %		<i>Surr Limits: (70-125%)</i>				09/01/10 15:04	DGB	10I0032	8021B
a,a,a-Trifluorotoluene	104 %		<i>Surr Limits: (77-130%)</i>				09/01/10 15:04	DGB	10I0032	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	179		50	NR	ug/L	1.00	09/04/10 16:54	MxM	10H2044	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.341	CF6	0.0100	0.0050	mg/L	1.00	09/04/10 10:42	JME	10I0197	335.4
pH	7.80		NA	0.00	SU	1.00	08/27/10 20:50	LRM	10H2030	4500-H+ B

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Work Order: RTH1438

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 08/27/10
Reported: 09/13/10 09:47

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1438-02 (PRE-CARBON - Ground Water)						Sampled: 08/27/10 10:50		Recvd: 08/27/10 11:35		
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	138000		500	NR	ug/L	1.00	09/04/10 16:56	MxM	10H2044	200.7
Iron	430		50	NR	ug/L	1.00	09/04/10 16:56	MxM	10H2044	200.7
Magnesium	79500		200	NR	ug/L	1.00	09/04/10 16:56	MxM	10H2044	200.7
Potassium	5250		500	NR	ug/L	1.00	09/04/10 16:56	MxM	10H2044	200.7
Sodium	95200		1000	NR	ug/L	1.00	09/08/10 18:48	MxM	10H2044	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	481	D08, B	100	40.0	mg/L	10.0	08/31/10 11:53	KLD	10H2217	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	160	D08	1.00	0.56	mg/L	2.00	08/30/10 21:15	RMM	10H2105	300
Sulfate	158	D08	10.0	1.74	mg/L	5.00	09/01/10 19:59	RMM	10H2252	300

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Work Order: RTH1438

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 08/27/10
Reported: 09/13/10 09:47

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Anions by EPA Method 300.0									
300	10H2105	RTH1438-02	5.00	mL	5.00	mL	08/30/10 10:22	RMM	Direct Injection - Anions
300	10H2252	RTH1438-02	5.00	mL	5.00	mL	08/31/10 17:05	RMM	Direct Injection - Anions
General Chemistry Parameters									
310.2	10H2217	RTH1438-02	2.00	mL	2.00	mL	08/31/10 09:55	KLD	No Prep Alkalinity
335.4	10I0197	RTH1438-01	50.00	mL	50.00	mL	09/03/10 10:00	KLD	Cn Digestion
4500-H+ B	10H2030	RTH1438-01	1.00	mL	1.00	mL	08/27/10 20:50	RMB	pH
Total Metals by EPA 200 Series Methods									
200.7	10H2044	RTH1438-01	50.00	mL	50.00	mL	08/30/10 11:10	JRK	3005A
200.7	10H2044	RTH1438-02	50.00	mL	50.00	mL	08/30/10 11:10	JRK	3005A
Volatile Organic Compounds by EPA 8260B									
8260B	10I0281	RTH1438-01	5.00	mL	5.00	mL	09/07/10 16:40	TRB	5030B MS
Volatile Organic Compounds by EPA Method 8021B									
8021B	10I0032	RTH1438-01	1.00	mL	1.00	mL	09/01/10 10:47	DGB	5030B GC

Chain of Custody Record

Client Information				Sample: <i>T. Palmer 16ES</i>	Lab PM: Brian Fischer	Carrier Tracking No(s):	EQC No: 08272010 10:11_1						
Client Contact: Glenn May				Phone:	E-Mail: Brian.Fischer@testamerica.com		Page: 1						
Company: New York State D.E.C. - Buffalo, NY				Parameter(s) Requested			Job #						
Address: 270 Michigan Avenue				Due Date Requested:			Preservation Codes: A=HCL Z=Z B=NaOH C=Zn Acetate D=Nitric Acid E=Ice N=None S=H2SO4 V=MCAA Container Codes: A=Amber T=Teaker G=Glass V=Vial P=Poly/Plastic S=Summa						
City: Buffalo				TAT Requested (Business Days) 10									
State, Zip: NY, 14203													
Phone: (716) 851-7220				PO #: 116986									
Email:				WO #: RTH1382									
Project Name: NYSDEC-Gastown WWTP(Mthy): Site# 915171				Project #: NYSDEC - Gastown: Site# 915171/Pir# HD287									
Site: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT - NY				SSOW#									
Sample Identification				Field Filtered Sample (Yes or No)	Performance MS/MS (Yes or No)	Total Number of Containers	Special instructions/Note:						
	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Soil, G=Gravel, O=Other)	PH			Alk	T-Metals	CN	Cl: 804	8021Voa	Yoa
POST-CARBON	8-27-10	1040	G	W									
PRE-CARBON	1	1050	G	W									
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Deliverable Requested: I, II, III, IV, Other (specify)				Special Instructions/OC Requirements:									
Empty Kit Relinquished by: <i>John O'Neil</i>		Date: 8-27-10	Time: 1135	Company: <i>GES</i>	Received by: <i>Th... ..</i>		Date/Time: 8-27-10 1135						
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:	Company:						
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:	Company:						
Custody Seals Intact: A Yes Δ No	Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks: <i>5.8°C</i>									

Analytical Report

Work Order: RTI1596

Project Description

NYSDEC-Gastown WWTP: Site# 915171

For:

Glenn May

New York State D.E.C. - Buffalo, NY

270 Michigan Avenue

Buffalo, NY 14203



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Tuesday, October 12, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA, RCRA	NY200003
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

New York State D.E.C. - Buffalo, NY
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Work Order: RT11596

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 09/27/10
Reported: 10/12/10 12:45

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

The Matrix Spike Blank recovery was below TestAmerica's statistically developed internal laboratory QC limits, for this analyte. This analyte was not a requested spiking compound; therefore the recovery is being reported for advisory purposes only. All other quality control indicators, including the continuing calibration verification, were within method prescribed limits for this analyte.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Brian Fischer
Project Manager

Tuesday, October 12, 2010

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

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TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

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Work Order: RT11596

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 09/27/10
Reported: 10/12/10 12:45

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>SpecificMethod</u>	<u>Analyte</u>	<u>Units</u>	<u>Client RL</u>	<u>Lab PQL</u>
420.4	Total Recoverable Phenolics	mg/L	0.0050	0.0100
8260B	2-Butanone	ug/L	5.0	10
8260B	Acetone	ug/L	5.0	10
8270C	Dibenzofuran	ug/L	5.0	10

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Work Order: RTI1596

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 09/27/10
Reported: 10/12/10 12:45

DATA QUALIFIERS AND DEFINITIONS

- D08** Dilution required due to high concentration of target analyte(s)
- J** Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
- QSU** Sulfur (EPA 3660) clean-up performed on extract.
- NR** Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

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Work Order: RTI1596

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 09/27/10
Reported: 10/12/10 12:45

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTI1596-01 (PRE-CARBON - Ground Water)					Sampled: 09/27/10 12:20			Recvd: 09/27/10 13:25		

Volatile Organic Compounds by EPA 8260B

Ethylbenzene	310	D08	40	30	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Styrene	420	D08	40	29	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Toluene	1800	D08	40	20	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Xylenes, total	640	D08	120	26	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B

Volatile Organic Compounds by EPA Method 8021B

1,2,4-Trimethylbenzene	100	D08	40	6.9	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
1,3,5-Trimethylbenzene	76	D08	40	30	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
Benzene	5800	D08	40	4.7	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
Ethylbenzene	420	D08	40	5.7	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
Isopropylbenzene	69	D08	40	5.4	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
Methyl-t-Butyl Ether (MTBE)	24	D08,J	80	8.7	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
m-Xylene & p-Xylene	570	D08	80	11	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
n-Butylbenzene	71	D08,J	80	6.2	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
n-Propylbenzene	55	D08	40	26	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
o-Xylene	250	D08	40	5.4	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
p-Cymene	64	D08,J	80	5.9	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
Toluene	2100	D08	40	7.1	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
Xylenes, total	810	D08	80	11	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B

Total Metals by EPA 200 Series Methods

Calcium	119000		500	NR	ug/L	1.00	09/29/10 21:36	AMH	10I2074	200.7
Iron	795		50	NR	ug/L	1.00	09/30/10 18:16	AMH	10I2074	200.7
Magnesium	80100		200	NR	ug/L	1.00	09/29/10 21:36	AMH	10I2074	200.7
Potassium	6230		500	NR	ug/L	1.00	09/29/10 21:36	AMH	10I2074	200.7
Sodium	84700		1000	NR	ug/L	1.00	09/29/10 21:36	AMH	10I2074	200.7

General Chemistry Parameters

Alkalinity, Total	426	D08	100	40.0	mg/L	10.0	09/28/10 21:25	JFR	10I2113	310.2
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Anions by EPA Method 300.0

Chloride	133	D08	1.00	0.56	mg/L	2.00	09/28/10 15:28	RMM	10I2052	300
Sulfate	151	D08	4.00	0.70	mg/L	2.00	09/28/10 15:28	RMM	10I2052	300

Sample ID: RTI1596-01RE1 (PRE-CARBON - Ground Water)

Sampled: 09/27/10 12:20

Recvd: 09/27/10 13:25

Volatile Organic Compounds by EPA 8260B

Benzene	4400	D08	80	33	ug/L	80.0	10/03/10 16:01	NMD	10J0138	8260B
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Work Order: RTI1596

Received: 09/27/10
Reported: 10/12/10 12:45

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTI1596-02 (POST-CARBON - Ground Water)						Sampled: 09/27/10 12:00		Recvd: 09/27/10 13:25		
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	202		50	NR	ug/L	1.00	09/30/10 18:18	AMH	10I2074	200.7
Manganese	271		3.0	NR	ug/L	1.00	09/29/10 21:38	AMH	10I2074	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.428		0.0100	0.0050	mg/L	1.00	10/05/10 10:53	JME	10J0034	335.4
pH	7.86		NR	0.00	SU	1.00	09/27/10 19:53	RMB	10I2006	4500-H+ B
Total Dissolved Solids	848		10.0	NR	mg/L	1.00	09/27/10 20:25	AMP	10I1948	2540C

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Work Order: RTI1596

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 09/27/10
Reported: 10/12/10 12:45

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
PRE-CARBON	RTI1596-01	Ground Water	09/27/10 12:20	09/27/10 13:25	
POST-CARBON	RTI1596-02	Ground Water	09/27/10 12:00	09/27/10 13:25	

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTI1596

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 09/27/10
Reported: 10/12/10 12:45

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Sample ID: RTI1596-01 (PRE-CARBON - Ground Water)

Sampled: 09/27/10 12:20

Recvd: 09/27/10 13:25

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND	D08	40	33	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
1,1,2,2-Tetrachloroethane	ND	D08	40	8.5	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
1,1,2-Trichloroethane	ND	D08	40	9.2	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
1,1-Dichloroethane	ND	D08	40	15	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
1,1-Dichloroethene	ND	D08	40	12	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
1,2-Dichloroethane	ND	D08	40	8.6	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
1,2-Dichloroethene, Total	ND	D08	80	28	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
1,2-Dichloropropane	ND	D08	40	29	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
2-Butanone	ND	D08	200	53	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
2-Hexanone	ND	D08	200	50	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
4-Methyl-2-pentanone	ND	D08	200	84	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Acetone	ND	D08	200	120	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Bromodichloromethane	ND	D08	40	15	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Bromoform	ND	D08	40	10	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Bromomethane	ND	D08	40	28	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Carbon disulfide	ND	D08	40	7.8	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Carbon Tetrachloride	ND	D08	40	11	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Chlorobenzene	ND	D08	40	30	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Dibromochloromethane	ND	D08	40	13	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Chloroethane	ND	D08	40	13	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Chloroform	ND	D08	40	13	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Chloromethane	ND	D08	40	14	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
cis-1,3-Dichloropropene	ND	D08	40	14	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Ethylbenzene	310	D08	40	30	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Methylene Chloride	ND	D08	40	18	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Styrene	420	D08	40	29	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Tetrachloroethene	ND	D08	40	15	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Toluene	1800	D08	40	20	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
trans-1,3-Dichloropropene	ND	D08	40	15	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Trichloroethene	ND	D08	40	18	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Vinyl acetate	ND	D08	200	34	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Vinyl chloride	ND	D08	40	36	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B
Xylenes, total	640	D08	120	26	ug/L	40.0	10/01/10 14:09	LH	10J0014	8260B

1,2-Dichloroethane-d4	94 %	D08	Surr Limits: (66-137%)			10/01/10 14:09	LH	10J0014	8260B
4-Bromofluorobenzene	109 %	D08	Surr Limits: (73-120%)			10/01/10 14:09	LH	10J0014	8260B
Toluene-d8	107 %	D08	Surr Limits: (71-126%)			10/01/10 14:09	LH	10J0014	8260B

Volatile Organic Compounds by EPA Method 8021B

1,2,4-Trimethylbenzene	100	D08	40	6.9	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
1,3,5-Trimethylbenzene	76	D08	40	30	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
Benzene	5800	D08	40	4.7	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
Ethylbenzene	420	D08	40	5.7	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
Isopropylbenzene	69	D08	40	5.4	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
Methyl-t-Butyl Ether (MTBE)	24	D08,J	80	8.7	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
m-Xylene & p-Xylene	570	D08	80	11	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
n-Butylbenzene	71	D08,J	80	6.2	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
n-Propylbenzene	55	D08	40	26	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
o-Xylene	250	D08	40	5.4	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B

New York State D.E.C. - Buffalo, NY
 270 Michigan Avenue
 Buffalo, NY 14203

Work Order: RTI1596

Received: 09/27/10
 Reported: 10/12/10 12:45

Project: NYSDEC-Gastown WWTP: Site# 915171
 Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Sample ID: RTI1596-01 (PRE-CARBON - Ground Water) - cont.

Sampled: 09/27/10 12:20

Recvd: 09/27/10 13:25

Volatile Organic Compounds by EPA Method 8021B - cont.

p-Cymene	64	D08,J	80	5.9	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
sec-Butylbenzene	ND	D08	80	4.1	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
Toluene	2100	D08	40	7.1	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
Xylenes, total	810	D08	80	11	ug/L	200	10/04/10 14:08	LMW	10I2219	8021B
4-Bromofluorobenzene	105 %	D08	Surr Limits: (70-125%)				10/04/10 14:08	LMW	10I2219	8021B
a,a,a-Trifluorotoluene	109 %	D08	Surr Limits: (77-130%)				10/04/10 14:08	LMW	10I2219	8021B

Total Metals by EPA 200 Series Methods

Calcium	119000		500	NR	ug/L	1.00	09/29/10 21:36	AMH	10I2074	200.7
Iron	795		50	NR	ug/L	1.00	09/30/10 18:16	AMH	10I2074	200.7
Magnesium	80100		200	NR	ug/L	1.00	09/29/10 21:36	AMH	10I2074	200.7
Potassium	6230		500	NR	ug/L	1.00	09/29/10 21:36	AMH	10I2074	200.7
Sodium	84700		1000	NR	ug/L	1.00	09/29/10 21:36	AMH	10I2074	200.7

General Chemistry Parameters

Alkalinity, Total	426	D08	100	40.0	mg/L	10.0	09/28/10 21:25	JFR	10I2113	310.2
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Anions by EPA Method 300.0

Chloride	133	D08	1.00	0.56	mg/L	2.00	09/28/10 15:28	RMM	10I2052	300
Sulfate	151	D08	4.00	0.70	mg/L	2.00	09/28/10 15:28	RMM	10I2052	300

New York State D.E.C. - Buffalo, NY
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Work Order: RT11596

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 09/27/10
Reported: 10/12/10 12:45

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RT11596-01RE1 (PRE-CARBON - Ground Water)					Sampled: 09/27/10 12:20			Recvd: 09/27/10 13:25		

Volatile Organic Compounds by EPA 8260B

Benzene	4400	D08	80	33	ug/L	80.0	10/03/10 16:01	NMD	10J0138	8260B
1,2-Dichloroethane-d4	97 %	D08	Surr Limits: (66-137%)				10/03/10 16:01	NMD	10J0138	8260B
4-Bromofluorobenzene	109 %	D08	Surr Limits: (73-120%)				10/03/10 16:01	NMD	10J0138	8260B
Toluene-d8	106 %	D08	Surr Limits: (71-126%)				10/03/10 16:01	NMD	10J0138	8260B

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Work Order: RTI1596

Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

Received: 09/27/10

Reported: 10/12/10 12:45

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTI1596-02 (POST-CARBON - Ground Water)			Sampled: 09/27/10 12:00				Recvd: 09/27/10 13:25			
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		5.0	0.82	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
1,1,1,2-Tetrachloroethane	ND		5.0	0.21	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
1,1,2-Trichloroethane	ND		5.0	0.23	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
1,1-Dichloroethane	ND		5.0	0.38	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
1,1-Dichloroethene	ND		5.0	0.29	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
1,2-Dichloroethane	ND		5.0	0.21	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
1,2-Dichloroethene, Total	ND		10	0.70	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
1,2-Dichloropropane	ND		5.0	0.72	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
2-Butanone	ND		25	1.3	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
2-Hexanone	ND		25	1.2	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
4-Methyl-2-pentanone	ND		25	2.1	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Acetone	ND		25	3.0	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Benzene	ND		5.0	0.41	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Bromodichloromethane	ND		5.0	0.39	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Bromoform	ND		5.0	0.26	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Bromomethane	ND		5.0	0.69	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Carbon disulfide	ND		5.0	0.19	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Carbon Tetrachloride	ND		5.0	0.27	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Chlorobenzene	ND		5.0	0.75	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Dibromochloromethane	ND		5.0	0.32	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Chloroethane	ND		5.0	0.32	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Chloroform	ND		5.0	0.34	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Chloromethane	ND		5.0	0.35	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
cis-1,3-Dichloropropene	ND		5.0	0.36	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Ethylbenzene	ND		5.0	0.74	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Methylene Chloride	ND		5.0	0.44	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Styrene	ND		5.0	0.73	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Tetrachloroethene	ND		5.0	0.36	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Toluene	ND		5.0	0.51	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
trans-1,3-Dichloropropene	ND		5.0	0.37	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Trichloroethene	ND		5.0	0.46	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Vinyl acetate	ND		25	0.85	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Vinyl chloride	ND		5.0	0.90	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
Xylenes, total	ND		15	0.66	ug/L	1.00	10/01/10 14:32	LH	10J0014	8260B
<i>1,2-Dichloroethane-d4</i>	<i>94 %</i>			<i>Surr Limits: (66-137%)</i>			<i>10/01/10 14:32</i>	<i>LH</i>	<i>10J0014</i>	<i>8260B</i>
<i>4-Bromofluorobenzene</i>	<i>105 %</i>			<i>Surr Limits: (73-120%)</i>			<i>10/01/10 14:32</i>	<i>LH</i>	<i>10J0014</i>	<i>8260B</i>
<i>Toluene-d8</i>	<i>105 %</i>			<i>Surr Limits: (71-126%)</i>			<i>10/01/10 14:32</i>	<i>LH</i>	<i>10J0014</i>	<i>8260B</i>

Volatile Organic Compounds by EPA Method 8021B

1,2,4-Trimethylbenzene	ND		0.20	0.035	ug/L	1.00	10/04/10 14:40	LMW	10I2219	8021B
1,3,5-Trimethylbenzene	ND		0.20	0.15	ug/L	1.00	10/04/10 14:40	LMW	10I2219	8021B
Benzene	ND		0.20	0.023	ug/L	1.00	10/04/10 14:40	LMW	10I2219	8021B
Ethylbenzene	ND		0.20	0.029	ug/L	1.00	10/04/10 14:40	LMW	10I2219	8021B
Isopropylbenzene	ND		0.20	0.027	ug/L	1.00	10/04/10 14:40	LMW	10I2219	8021B
Methyl-t-Butyl Ether (MTBE)	ND		0.40	0.044	ug/L	1.00	10/04/10 14:40	LMW	10I2219	8021B
m-Xylene & p-Xylene	ND		0.40	0.054	ug/L	1.00	10/04/10 14:40	LMW	10I2219	8021B
n-Butylbenzene	ND		0.40	0.031	ug/L	1.00	10/04/10 14:40	LMW	10I2219	8021B
n-Propylbenzene	ND		0.20	0.13	ug/L	1.00	10/04/10 14:40	LMW	10I2219	8021B
o-Xylene	ND		0.20	0.027	ug/L	1.00	10/04/10 14:40	LMW	10I2219	8021B

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New York State D.E.C. - Buffalo, NY
 270 Michigan Avenue
 Buffalo, NY 14203

Work Order: RTI1596

Received: 09/27/10
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Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTI1596-02 (POST-CARBON - Ground Water) - cont.						Sampled: 09/27/10 12:00		Recvd: 09/27/10 13:25		

Volatile Organic Compounds by EPA Method 8021B - cont.

p-Cymene	ND		0.40	0.030	ug/L	1.00	10/04/10 14:40	LMW	10I2219	8021B
sec-Butylbenzene	ND		0.40	0.020	ug/L	1.00	10/04/10 14:40	LMW	10I2219	8021B
Toluene	ND		0.20	0.036	ug/L	1.00	10/04/10 14:40	LMW	10I2219	8021B
Xylenes, total	ND		0.40	0.054	ug/L	1.00	10/04/10 14:40	LMW	10I2219	8021B
4-Bromofluorobenzene	104 %		Surr Limits: (70-125%)				10/04/10 14:40	LMW	10I2219	8021B
a,a,a-Trifluorotoluene	106 %		Surr Limits: (77-130%)				10/04/10 14:40	LMW	10I2219	8021B

Semivolatile Organics by GC/MS

2-Methylnaphthalene	ND		10	0.58	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Acenaphthene	ND		10	0.39	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Acenaphthylene	ND		10	0.37	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Anthracene	ND		10	0.27	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Benzo(a)anthracene	ND		10	0.35	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Benzo(a)pyrene	ND		10	0.45	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Benzo(b)fluoranthene	ND		10	0.33	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Benzo(ghi)perylene	ND		10	0.34	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Benzo(k)fluoranthene	ND		10	0.70	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Biphenyl	ND		10	0.63	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Bis(2-ethylhexyl) phthalate	ND		10	1.7	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Carbazole	ND		10	0.29	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Chrysene	ND		10	0.32	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Dibenzo(a,h)anthracene	ND		10	0.40	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Dibenzofuran	ND		10	0.49	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Fluoranthene	ND		10	0.38	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Fluorene	ND		10	0.35	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Indeno(1,2,3-cd)pyrene	ND		10	0.45	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Naphthalene	ND		10	0.73	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Pentachlorophenol	ND		50	2.1	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Phenanthrene	ND		10	0.42	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Phenol	ND		50	0.38	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
Pyrene	ND		10	0.33	ug/L	1.00	10/11/10 16:54	MKP	10I2075	8270C
2,4,6-Tribromophenol	101 %		Surr Limits: (52-132%)				10/11/10 16:54	MKP	10I2075	8270C
2-Fluorobiphenyl	81 %		Surr Limits: (48-120%)				10/11/10 16:54	MKP	10I2075	8270C
2-Fluorophenol	42 %		Surr Limits: (20-120%)				10/11/10 16:54	MKP	10I2075	8270C
Nitrobenzene-d5	78 %		Surr Limits: (46-120%)				10/11/10 16:54	MKP	10I2075	8270C
Phenol-d5	31 %		Surr Limits: (16-120%)				10/11/10 16:54	MKP	10I2075	8270C
p-Terphenyl-d14	72 %		Surr Limits: (24-136%)				10/11/10 16:54	MKP	10I2075	8270C

Organochlorine Pesticides and PCBs by EPA Method 608

4,4'-DDD [2C]	ND	QSU	0.048	0.0088	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
4,4'-DDE [2C]	ND	QSU	0.048	0.011	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
4,4'-DDT [2C]	ND	QSU	0.048	0.010	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
Aldrin [2C]	ND	QSU	0.048	0.0063	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
alpha-BHC [2C]	ND	QSU	0.048	0.0063	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
beta-BHC [2C]	ND	QSU	0.048	0.024	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
Chlordane [2C]	ND	QSU	0.48	0.028	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
delta-BHC [2C]	ND	QSU	0.048	0.0096	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
Dieldrin [2C]	ND	QSU	0.048	0.0093	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
Endosulfan I [2C]	ND	QSU	0.048	0.010	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTI1596

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 09/27/10
Reported: 10/12/10 12:45

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Sample ID: RTI1596-02 (POST-CARBON - Ground Water) - cont.

Sampled: 09/27/10 12:00

Recvd: 09/27/10 13:25

Organochlorine Pesticides and PCBs by EPA Method 608 - cont.

Endosulfan II [2C]	ND	QSU	0.048	0.011	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
Endosulfan sulfate [2C]	ND	QSU	0.048	0.015	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
Endrin [2C]	ND	QSU	0.048	0.013	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
Endrin aldehyde [2C]	ND	QSU	0.048	0.016	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
gamma-BHC (Lindane) [2C]	ND	QSU	0.048	0.0057	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
Heptachlor [2C]	ND	QSU	0.048	0.0081	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
Heptachlor epoxide [2C]	ND	QSU	0.048	0.0050	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
Toxaphene [2C]	ND	QSU	0.48	0.11	ug/L	1.00	10/01/10 14:15	LMW	10I2229	608
Decachlorobiphenyl [2C]	58 %	QSU	Surr Limits: (15-139%)				10/01/10 14:15	LMW	10I2229	608
Tetrachloro-m-xylene [2C]	83 %	QSU	Surr Limits: (30-139%)				10/01/10 14:15	LMW	10I2229	608

Total Metals by EPA 200 Series Methods

Arsenic	ND		0.0100	NR	mg/L	1.00	09/29/10 21:38	AMH	10I2074	200.7
Iron	202		50	NR	ug/L	1.00	09/30/10 18:18	AMH	10I2074	200.7
Manganese	271		3.0	NR	ug/L	1.00	09/29/10 21:38	AMH	10I2074	200.7
Zinc	ND		0.0100	NR	mg/L	1.00	09/29/10 21:38	AMH	10I2074	200.7

General Chemistry Parameters

Oil & Grease	ND		5.0	1.4	mg/L	1.00	09/30/10 17:00	JME	10J0004	1664A
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L	1.00	09/28/10 18:12	KLD	10I2103	5210B
Total Cyanide	0.428		0.0100	0.0050	mg/L	1.00	10/05/10 10:53	JME	10J0034	335.4
pH	7.86		NA	0.00	SU	1.00	09/27/10 19:53	RMB	10I2006	4500-H+ B
Total Recoverable Phenolics	ND		0.0050	0.0050	mg/L	1.00	10/06/10 12:01	KLD	10J0300	420.4
Total Dissolved Solids	848		10.0	NR	mg/L	1.00	09/27/10 20:25	AMP	10I1948	2540C
Total Suspended Solids	ND		4.0	4.0	mg/L	1.00	09/28/10 15:45	AMP	10I2087	2540D

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Work Order: RTI1596

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 09/27/10
Reported: 10/12/10 12:45

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Anions by EPA Method 300.0									
300	10I2052	RTI1596-01	5.00	mL	5.00	mL	09/28/10 11:25	RMM	Direct Injection - Anions
General Chemistry Parameters									
1664A	10J0004	RTI1596-02	1,000.00	mL	1,000.00	mL	09/30/10 17:00	JME	No prep Oil and Grease
2540C	10I1948	RTI1596-02	100.00	mL	100.00	mL	09/27/10 20:25	JLN	No prep solids
2540D	10I2087	RTI1596-02	250.00	mL	250.00	mL	09/28/10 15:45	AMP	No prep solids
310.2	10I2113	RTI1596-01	2.00	mL	2.00	mL	09/28/10 15:57	JFR	Alkalinity
335.4	10J0034	RTI1596-02	50.00	mL	50.00	mL	10/01/10 12:46	JME	Cn Digestion
420.4	10J0300	RTI1596-02	50.00	mL	50.00	mL	10/05/10 14:41	AMP	TRP Distillation
4500-H+ B	10I2006	RTI1596-02	1.00	mL	1.00	mL	09/27/10 19:53	RMB	pH
5210B	10I2103	RTI1596-02	300.00	mL	300.00	mL	09/28/10 18:12	RMB	No prep Biochemical Oxygen Demand
Organochlorine Pesticides and PCBs by EPA Method 608									
608	10I2229	RTI1596-02	1,050.00	mL	10.00	mL	09/30/10 17:00	LTT	3510C GC
Semivolatile Organics by GC/MS									
8270C	10I2075	RTI1596-02	1,040.00	mL	1.00	mL	09/28/10 17:00	BWM	3510C MB
Total Metals by EPA 200 Series Methods									
200.7	10I2074	RTI1596-01	50.00	mL	50.00	mL	09/29/10 09:55	MDM	3005A
200.7	10I2074	RTI1596-02	50.00	mL	50.00	mL	09/29/10 09:55	MDM	3005A
Volatile Organic Compounds by EPA 8260B									
8260B	10J0014	RTI1596-01	5.00	mL	5.00	mL	10/01/10 10:18	LCH	5030B MS
8260B	10J0014	RTI1596-02	5.00	mL	5.00	mL	10/01/10 10:18	LCH	5030B MS
8260B	10J0138	RTI1596-01RE1	5.00	mL	5.00	mL	10/03/10 15:08	NMD	5030B MS
Volatile Organic Compounds by EPA Method 8021B									
8021B	10I2219	RTI1596-01	1.00	mL	1.00	mL	09/30/10 08:39	DGB	5030B GC
8021B	10I2219	RTI1596-02	1.00	mL	1.00	mL	09/30/10 08:39	DGB	5030B GC

Chain of Custody Record

Client Information		Sample: <u>T. Palmer</u>		Lab PM: Brian Fischer		Carrier Tracking No(s):		COC No: 08272010 10:24_1			
Client Contact: Glenn May		Phone: (494) 325-0206		E-Mail: Brian.Fischer@testamerica.com				Page: 1			
Company: New York State D.E.C. - Buffalo, NY				Parameter(s) Requested						Job #	
Address: 270 Michigan Avenue		Due Date Requested:		Field Filtered Sample (Yes or No) <input type="checkbox"/> Perform MS/MSD (Yes or No) <input type="checkbox"/> BOD pH Alk GC/MS SVOC Tphenols T.Metals CN HEM TDS TSS Cl: 604 8021Voc Vocs						Preservation Codes:	
City: Buffalo		TAT Requested (Business Days) 10								A=HCl Z=Z	
State, Zip: NY, 14203		PG # 118986								B=NaOH	
Phone: (716) 851-7220		WQ # RT10250								C=Zn Acetate	
Email:		Project # NYSDEC-Gastown WWTP: Site# 915171		D=Nitric Acid		E=Ice		F=None			
Project Name: NYSDEC-Gastown WWTP(Qtrly): Site# 915171		SSOW#		G=H2SO4		H=MSAA		I=Tedlar			
Site: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT - NY				J=Ultrac		K=Vial		L=Summa			
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=Water, S=Soil, O=Other)	Preserv-Cont Code:	Special Instructions/Note:				
PRE-CARBON		9-27-10	1220	G	W	X					
POST-CARBON		9-27-10	1205	G	W	1	1 1 2 2 1 1 1 2 1 1 3 16				
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Deliverable Requested: I, II, III, IV, Other (specify)				Special Instructions/QC Requirements							
Empty Kit Relinquished by		Date:		Time		Method of shipment					
Relinquished by: <u>Thom O'Brien</u>		Date/Time: <u>9-27-10 / 1325</u>		Company: <u>GES</u>		Received by: <u>[Signature]</u>		Date/Time: <u>9/27/10 1325</u>		Company: <u>TAC</u>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact A Yes A No		Custody Seal No		Cocur Temperature(s) °C and Other Remarks		3.8					

Analytical Report

Work Order: RTJ0524

Project Description

NYSDEC-Gastown WWTP (Waste): Site# 915171

For:

Glenn May

New York State D.E.C. - Buffalo, NY

270 Michigan Avenue

Buffalo, NY 14203



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Monday, October 18, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA, RCRA	NY200003
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTJ0524

Project: NYSDEC-Gastown WWTP (Waste): Site# 915171
Project Number: NYSDEC

Received: 09/30/10
Reported: 10/18/10 12:39

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Brian Fischer
Project Manager

Monday, October 18, 2010

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTJ0524

Project: NYSDEC-Gastown WWTP (Waste): Site# 915171
Project Number: NYSDEC

Received: 09/30/10
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DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
B1	Analyte was detected in the associated method / calibration blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
BT	Analyte detected in the TCLP Extractor Blank. Analyte at least five times less than the TCLP Regulatory limit.
D02	Dilution required due to sample matrix effects
D07	Dilution required due to the nature of the TCLP matrix
D08	Dilution required due to high concentration of target analyte(s)
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
QFL	Florisil clean-up (EPA 3620) performed on extract.
QSU	Sulfur (EPA 3660) clean-up performed on extract.
W1	Sample was prepared and analyzed utilizing a medium level extraction.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

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270 Michigan Avenue
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Work Order: RTJ0524

Received: 09/30/10
Reported: 10/18/10 12:39

Project: NYSDEC-Gastown WWTP (Waste): Site# 915171
Project Number: NYSDEC

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ0524-01 (SPENT CARBON - Solid)					Sampled: 09/30/10 17:25			Recvd: 09/30/10 18:20		
<u>TCLP Metals</u>										
Barium	0.254	B1,B	0.0020	NR	mg/L	1.00	10/06/10 12:47	DAN	10J0294	6010B TCLP
<u>General Chemistry Parameters</u>										
Percent Solids	78		0.010	NR	%	1.00	10/04/10 14:42	RNH	10J0170	Dry Weight
Flashpoint	>176		50.0	NR	°F	1.00	10/05/10 18:45	JLN	10J0336	1010
Sample ID: RTJ0524-01RE1 (SPENT CARBON - Solid)					Sampled: 09/30/10 17:25			Recvd: 09/30/10 18:20		
<u>TCLP Volatile Organic Compounds by EPA Method 1311/8260B</u>										
Benzene	1300	D08	20	8.2	ug/L	20.0	10/07/10 13:20	PJQ	10J0349	8260B TCLP

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Project: NYSDEC-Gastown WWTP (Waste): Site# 915171
Project Number: NYSDEC

Received: 09/30/10
Reported: 10/18/10 12:39

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ0524-02 (DNAPL DISPOSAL - Waste)			Sampled: 09/30/10 17:50				Recvd: 09/30/10 18:20			
Volatile Organic Compounds by EPA 8260B										
Benzene	9900000	D08, W1	9600	9600	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Ethylbenzene	7100000	D08, W1	58000	58000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Xylenes, total	19000000	D08, W1	33000	33000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Semivolatile Organics by GC/MS										
2-Methylnaphthalene	18000000	D08	45000	530	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Acenaphthene	1800000	D08	45000	530	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Acenaphthylene	18000000	D08	45000	370	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Anthracene	8400000	D08	45000	1100	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Benzo[a]anthracene	6600000	D08	45000	770	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Benzo[a]pyrene	7000000	D08	45000	1100	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Benzo[b]fluoranthene	4500000	D08	45000	880	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Benzo[g,h,i]perylene	3400000	D08	45000	530	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Benzo[k]fluoranthene	1800000	D08	45000	510	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Biphenyl	4200000	D08	45000	2900	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Carbazole	360000	D08	45000	530	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Chrysene	5400000	D08	45000	450	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Dibenz[a,h]anthracene	670000	D08	45000	530	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Dibenzofuran	1700000	D08	45000	480	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Fluoranthene	14000000	D08	45000	640	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Fluorene	10000000	D08	45000	1000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Indeno[1,2,3-cd]pyrene	2500000	D08	45000	1300	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Pyrene	17000000	D08	45000	290	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD	9.8	QFL,J	21	4.0	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
4,4'-DDT	21	QFL	21	4.6	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Aldrin	14	QFL,J	21	2.1	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
alpha-BHC	12	QFL,J	21	3.8	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
delta-BHC	18	QFL,J	21	2.8	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Dieldrin	8.5	QFL,J	21	5.0	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Endosulfan I	5.1	QFL,J	21	4.4	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Endosulfan II	6.4	QFL,J	21	3.8	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Endosulfan sulfate	99	QFL	21	3.9	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Endrin	14	QFL,J	21	6.7	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Endrin ketone	23	QFL	21	5.0	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
gamma-BHC (Lindane)	15	QFL,J	21	3.6	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
gamma-Chlordane	9.9	QFL,J	21	2.9	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Heptachlor	9.0	QFL,J	21	3.2	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Heptachlor epoxide	14	QFL,J	21	5.4	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Total Metals by SW 846 Series Methods										
Arsenic	4.9		1.9	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Chromium	0.517		0.470	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Iron	75.5		9.4	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Manganese	0.9		0.2	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B

General Chemistry Parameters

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTJ0524

Received: 09/30/10
Reported: 10/18/10 12:39

Project: NYSDEC-Gastown WWTP (Waste): Site# 915171
Project Number: NYSDEC

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ0524-02 (DNAPL DISPOSAL - Waste) - cont.					Sampled: 09/30/10 17:50			Recvd: 09/30/10 18:20		
<u>General Chemistry Parameters - cont.</u>										
Flashpoint	>176.0		50.0	50.0	°F	1.00	10/15/10 13:42	RJF	10J1314	1010
Sample ID: RTJ0524-02RE1 (DNAPL DISPOSAL - Waste)					Sampled: 09/30/10 17:50			Recvd: 09/30/10 18:20		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Styrene	4500000	W1, D08	480000	480000	ug/kg wet	20000	10/07/10 19:17	LH	10J0501	8260B
Toluene	5400000	W1, D08	530000	530000	ug/kg wet	20000	10/07/10 19:17	LH	10J0501	8260B
<u>Semivolatile Organics by GC/MS</u>										
Naphthalene	78000000	D08,B, B1	230000	3700	ug/kg	100	10/12/10 10:05	MKP	10J0293	8270C
Phenanthrene	32000000	D08	230000	4700	ug/kg	100	10/12/10 10:05	MKP	10J0293	8270C

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Buffalo, NY 14203

Work Order: RTJ0524

Project: NYSDEC-Gastown WWTP (Waste): Site# 915171
Project Number: NYSDEC

Received: 09/30/10
Reported: 10/18/10 12:39

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
SPENT CARBON	RTJ0524-01	Solid	09/30/10 17:25	09/30/10 18:20	
DNAPL DISPOSAL	RTJ0524-02	Waste	09/30/10 17:50	09/30/10 18:20	

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Received: 09/30/10

Reported: 10/18/10 12:39

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method	
Sample ID: RTJ0524-01 (SPENT CARBON - Solid)			Sampled: 09/30/10 17:25				Recvd: 09/30/10 18:20				
<u>TCLP Volatile Organic Compounds by EPA Method 1311/8260B</u>											
1,1-Dichloroethene	ND	D07	10	2.9	ug/L	10.0	10/06/10 17:16	PJQ	10J0349	8260B TCLP	
1,2-Dichloroethane	ND	D07	10	2.1	ug/L	10.0	10/06/10 17:16	PJQ	10J0349	8260B TCLP	
2-Butanone (MEK)	ND	D07	100	13	ug/L	10.0	10/06/10 17:16	PJQ	10J0349	8260B TCLP	
Carbon Tetrachloride	ND	D07	10	2.7	ug/L	10.0	10/06/10 17:16	PJQ	10J0349	8260B TCLP	
Chlorobenzene	ND	D07	10	7.5	ug/L	10.0	10/06/10 17:16	PJQ	10J0349	8260B TCLP	
Chloroform	ND	D07	10	3.4	ug/L	10.0	10/06/10 17:16	PJQ	10J0349	8260B TCLP	
Tetrachloroethene	ND	D07	10	3.6	ug/L	10.0	10/06/10 17:16	PJQ	10J0349	8260B TCLP	
Trichloroethene	ND	D07	10	4.6	ug/L	10.0	10/06/10 17:16	PJQ	10J0349	8260B TCLP	
Vinyl chloride	ND	D07	10	9.0	ug/L	10.0	10/06/10 17:16	PJQ	10J0349	8260B TCLP	
<i>1,2-Dichloroethane-d4</i>	87 %	D07	<i>Surr Limits: (66-137%)</i>				10/06/10 17:16	PJQ	10J0349	8260B TCLP	
<i>4-Bromofluorobenzene</i>	96 %	D07	<i>Surr Limits: (73-120%)</i>				10/06/10 17:16	PJQ	10J0349	8260B TCLP	
<i>Toluene-d8</i>	94 %	D07	<i>Surr Limits: (71-126%)</i>				10/06/10 17:16	PJQ	10J0349	8260B TCLP	
<u>TCLP Semivolatile Compounds by EPA Method 1311/8270C</u>											
1,4-Dichlorobenzene	ND		40	1.8	ug/L	1.00	10/11/10 12:08	MAF	10J0286	8270C TCLP	
2,4,5-Trichlorophenol	ND		20	1.9	ug/L	1.00	10/11/10 12:08	MAF	10J0286	8270C TCLP	
2,4,6-Trichlorophenol	ND		20	2.4	ug/L	1.00	10/11/10 12:08	MAF	10J0286	8270C TCLP	
2,4-Dinitrotoluene	ND		20	1.8	ug/L	1.00	10/11/10 12:08	MAF	10J0286	8270C TCLP	
2-Methylphenol	ND		20	1.6	ug/L	1.00	10/11/10 12:08	MAF	10J0286	8270C TCLP	
3-Methylphenol	ND		40	1.6	ug/L	1.00	10/11/10 12:08	MAF	10J0286	8270C TCLP	
4-Methylphenol	ND		40	1.4	ug/L	1.00	10/11/10 12:08	MAF	10J0286	8270C TCLP	
Hexachlorobenzene	ND		20	2.0	ug/L	1.00	10/11/10 12:08	MAF	10J0286	8270C TCLP	
Hexachlorobutadiene	ND		20	2.7	ug/L	1.00	10/11/10 12:08	MAF	10J0286	8270C TCLP	
Hexachloroethane	ND		20	2.4	ug/L	1.00	10/11/10 12:08	MAF	10J0286	8270C TCLP	
Nitrobenzene	ND		20	1.2	ug/L	1.00	10/11/10 12:08	MAF	10J0286	8270C TCLP	
Pentachlorophenol	ND		40	8.8	ug/L	1.00	10/11/10 12:08	MAF	10J0286	8270C TCLP	
Pyridine	ND		100	1.6	ug/L	1.00	10/11/10 12:08	MAF	10J0286	8270C TCLP	
<i>2,4,6-Tribromophenol</i>	104 %		<i>Surr Limits: (52-132%)</i>				10/11/10 12:08	MAF	10J0286	8270C TCLP	
<i>2-Fluorobiphenyl</i>	84 %		<i>Surr Limits: (48-120%)</i>				10/11/10 12:08	MAF	10J0286	8270C TCLP	
<i>2-Fluorophenol</i>	44 %		<i>Surr Limits: (20-120%)</i>				10/11/10 12:08	MAF	10J0286	8270C TCLP	
<u>Polychlorinated Biphenyls by EPA Method 8082</u>											
Aroclor 1016 [2C]	ND	D02, QSU	20	20	ug/kg dry	5.00	10/05/10 10:15	JxM	10J0136	8082	
Aroclor 1221 [2C]	ND	D02, QSU	20	20	ug/kg dry	5.00	10/05/10 10:15	JxM	10J0136	8082	
Aroclor 1232 [2C]	ND	D02, QSU	20	20	ug/kg dry	5.00	10/05/10 10:15	JxM	10J0136	8082	
Aroclor 1242 [2C]	ND	D02, QSU	23	23	ug/kg dry	5.00	10/05/10 10:15	JxM	10J0136	8082	
Aroclor 1248 [2C]	ND	D02, QSU	20	20	ug/kg dry	5.00	10/05/10 10:15	JxM	10J0136	8082	
Aroclor 1254 [2C]	ND	D02, QSU	22	22	ug/kg dry	5.00	10/05/10 10:15	JxM	10J0136	8082	
Aroclor 1260 [2C]	ND	D02, QSU	49	49	ug/kg dry	5.00	10/05/10 10:15	JxM	10J0136	8082	
<i>Decachlorobiphenyl [2C]</i>	111 %	D02, QSU	<i>Surr Limits: (34-148%)</i>				10/05/10 10:15	JxM	10J0136	8082	
<i>Tetrachloro-m-xylene [2C]</i>	213 %	D02, QSU	<i>Surr Limits: (35-134%)</i>				10/05/10 10:15	JxM	10J0136	8082	
<u>TCLP Pesticides by EPA Method 1311/8081A</u>											
Chlordane	ND		2.0	0.12	ug/L	1.00	10/06/10 14:47	MAN	10J0288	8081 TCLP	
Endrin	ND		0.20	0.055	ug/L	1.00	10/06/10 14:47	MAN	10J0288	8081 TCLP	
gamma-BHC (Lindane)	ND		0.20	0.024	ug/L	1.00	10/06/10 14:47	MAN	10J0288	8081 TCLP	
Heptachlor	ND		0.20	0.034	ug/L	1.00	10/06/10 14:47	MAN	10J0288	8081 TCLP	
Heptachlor epoxide	ND		0.20	0.021	ug/L	1.00	10/06/10 14:47	MAN	10J0288	8081 TCLP	
Methoxychlor	ND		0.20	0.056	ug/L	1.00	10/06/10 14:47	MAN	10J0288	8081 TCLP	

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Sample ID: RTJ0524-01 (SPENT CARBON - Solid) - cont.

Sampled: 09/30/10 17:25

Recvd: 09/30/10 18:20

TCLP Pesticides by EPA Method 1311/8081A - cont.

Toxaphene	ND		2.0	0.48	ug/L	1.00	10/06/10 14:47	MAN	10J0288	8081 TCLP
Decachlorobiphenyl	102 %		<i>Surr Limits: (15-139%)</i>				10/06/10 14:47	MAN	10J0288	8081 TCLP
Tetrachloro-m-xylene	73 %		<i>Surr Limits: (30-139%)</i>				10/06/10 14:47	MAN	10J0288	8081 TCLP

TCLP Metals

Arsenic	ND		0.0500	NR	mg/L	1.00	10/06/10 12:47	DAN	10J0294	6010B TCLP
Barium	0.254	B1,B	0.0020	NR	mg/L	1.00	10/06/10 12:47	DAN	10J0294	6010B TCLP
Cadmium	ND		0.0010	NR	mg/L	1.00	10/06/10 12:47	DAN	10J0294	6010B TCLP
Chromium	ND	BT	0.0040	NR	mg/L	1.00	10/06/10 12:47	DAN	10J0294	6010B TCLP
Lead	ND		0.0050	NR	mg/L	1.00	10/06/10 12:47	DAN	10J0294	6010B TCLP
Selenium	ND		0.0150	NR	mg/L	1.00	10/06/10 12:47	DAN	10J0294	6010B TCLP
Silver	ND		0.0030	NR	mg/L	1.00	10/06/10 12:47	DAN	10J0294	6010B TCLP
Mercury	ND		0.0002	NR	mg/L	1.00	10/06/10 14:28	JRK	10J0376	7470A TCLP

General Chemistry Parameters

Percent Solids	78		0.010	NR	%	1.00	10/04/10 14:42	RNH	10J0170	Dry Weight
Flashpoint	>176		50.0	NR	°F	1.00	10/05/10 18:45	JLN	10J0336	1010

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ0524-01RE1 (SPENT CARBON - Solid)					Sampled: 09/30/10 17:25			Recvd: 09/30/10 18:20		

TCLP Volatile Organic Compounds by EPA Method 1311/8260B

Benzene	1300	D08	20	8.2	ug/L	20.0	10/07/10 13:20	PJQ	10J0349	8260B TCLP
1,2-Dichloroethane-d4	84 %	D08	Surr Limits: (66-137%)				10/07/10 13:20	PJQ	10J0349	8260B TCLP
4-Bromofluorobenzene	99 %	D08	Surr Limits: (73-120%)				10/07/10 13:20	PJQ	10J0349	8260B TCLP
Toluene-d8	94 %	D08	Surr Limits: (71-126%)				10/07/10 13:20	PJQ	10J0349	8260B TCLP

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ0524-02 (DNAPL DISPOSAL - Waste)			Sampled: 09/30/10 17:50				Recvd: 09/30/10 18:20			
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND	D08, W1	55000	55000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
1,1,2,2-Tetrachloroethane	ND	D08, W1	32000	32000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
1,1,2-Trichloroethane	ND	D08, W1	42000	42000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
1,1,2-Trichlorotrifluoroethane	ND	D08, W1	100000	100000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
1,1-Dichloroethane	ND	D08, W1	62000	62000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
1,1-Dichloroethene	ND	D08, W1	69000	69000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
1,2,4-Trichlorobenzene	ND	D08, W1	75000	75000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
1,2-Dibromo-3-chloropropane	ND	D08, W1	100000	100000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
1,2-Dibromoethane (EDB)	ND	D08, W1	7600	7600	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
1,2-Dichlorobenzene	ND	D08, W1	51000	51000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
1,2-Dichloroethane	ND	D08, W1	81000	81000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
1,2-Dichloroethene, Total	ND	D08, W1	100000	100000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
1,2-Dichloropropane	ND	D08, W1	32000	32000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
1,3-Dichlorobenzene	ND	D08, W1	53000	53000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
1,4-Dichlorobenzene	ND	D08, W1	28000	28000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
2-Butanone (MEK)	ND	D08, W1	590000	590000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
2-Hexanone	ND	D08, W1	410000	410000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
4-Methyl-2-pentanone (MIBK)	ND	D08, W1	64000	64000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Acetone	ND	D08, W1	820000	820000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Benzene	9900000	D08, W1	9600	9600	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Bromodichloromethane	ND	D08, W1	40000	40000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Bromoform	ND	D08, W1	100000	100000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Bromomethane	ND	D08, W1	44000	44000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Carbon disulfide	ND	D08, W1	91000	91000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Carbon Tetrachloride	ND	D08, W1	51000	51000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Chlorobenzene	ND	D08, W1	26000	26000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Chlorodibromomethane	ND	D08, W1	96000	96000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Chloroethane	ND	D08, W1	41000	41000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Chloroform	ND	D08, W1	140000	140000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Chloromethane	ND	D08, W1	47000	47000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
cis-1,2-Dichloroethene	ND	D08, W1	55000	55000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
cis-1,3-Dichloropropene	ND	D08, W1	48000	48000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Cyclohexane	ND	D08, W1	44000	44000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Dichlorodifluoromethane	ND	D08, W1	87000	87000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Ethylbenzene	7100000	D08, W1	58000	58000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Isopropylbenzene	ND	D08, W1	30000	30000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Methyl Acetate	ND	D08, W1	95000	95000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Methyl tert-Butyl Ether	ND	D08, W1	75000	75000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Methylcyclohexane	ND	D08, W1	93000	93000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Methylene Chloride	ND	D08, W1	39000	39000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Tetrachloroethene	ND	D08, W1	27000	27000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
trans-1,2-Dichloroethene	ND	D08, W1	47000	47000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
trans-1,3-Dichloropropene	ND	D08, W1	9600	9600	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Trichloroethene	ND	D08, W1	55000	55000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Trichlorofluoromethane	ND	D08, W1	93000	93000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
Vinyl chloride	ND	D08, W1	67000	67000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B

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Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ0524-02 (DNAPL DISPOSAL - Waste) - cont.							Sampled: 09/30/10 17:50	Recvd: 09/30/10 18:20		

Volatile Organic Compounds by EPA 8260B - cont.

Xylenes, total	19000000	D08, W1	33000	33000	ug/kg wet	2000	10/06/10 21:29	LH	10J0395	8260B
1,2-Dichloroethane-d4	97 %	D08, W1	Surr Limits: (53-146%)				10/06/10 21:29	LH	10J0395	8260B
4-Bromofluorobenzene	107 %	D08, W1	Surr Limits: (49-148%)				10/06/10 21:29	LH	10J0395	8260B
Toluene-d8	106 %	D08, W1	Surr Limits: (50-149%)				10/06/10 21:29	LH	10J0395	8260B

Semivolatile Organics by GC/MS

2,4,5-Trichlorophenol	ND	D08	45000	9900	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
2,4,6-Trichlorophenol	ND	D08	45000	2900	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
2,4-Dichlorophenol	ND	D08	45000	2300	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
2,4-Dimethylphenol	ND	D08	45000	12000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
2,4-Dinitrophenol	ND	D08	88000	16000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
2,4-Dinitrotoluene	ND	D08	45000	6900	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
2,6-Dinitrotoluene	ND	D08	45000	11000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
2-Chloronaphthalene	ND	D08	45000	2900	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
2-Chlorophenol	ND	D08	45000	2300	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
2-Methylnaphthalene	18000000	D08	45000	530	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
2-Methylphenol	ND	D08	45000	1400	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
2-Nitroaniline	ND	D08	88000	14000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
2-Nitrophenol	ND	D08	45000	2100	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
3,3'-Dichlorobenzidine	ND	D08	45000	40000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
3-Nitroaniline	ND	D08	88000	10000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
4,6-Dinitro-2-methylphenol	ND	D08	88000	15000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
4-Bromophenyl phenyl ether	ND	D08	45000	14000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
4-Chloro-3-methylphenol	ND	D08	45000	1800	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
4-Chloroaniline	ND	D08	45000	13000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
4-Chlorophenyl phenyl ether	ND	D08	45000	960	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
4-Methylphenol	ND	D08	88000	2500	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
4-Nitroaniline	ND	D08	88000	5100	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
4-Nitrophenol	ND	D08	88000	11000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Acenaphthene	1800000	D08	45000	530	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Acenaphthylene	18000000	D08	45000	370	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Acetophenone	ND	D08	45000	2300	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Anthracene	8400000	D08	45000	1100	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Atrazine	ND	D08	45000	2000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Benzaldehyde	ND	D08	45000	5100	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Benzo[a]anthracene	6600000	D08	45000	770	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Benzo[a]pyrene	7000000	D08	45000	1100	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Benzo[b]fluoranthene	4500000	D08	45000	880	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Benzo[g,h,i]perylene	3400000	D08	45000	530	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Benzo[k]fluoranthene	1800000	D08	45000	510	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Biphenyl	4200000	D08	45000	2900	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Bis(2-chloroethoxy)methane	ND	D08	45000	2500	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Bis(2-chloroethyl)ether	ND	D08	45000	4000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Bis(2-chloroisopropyl) ether	ND	D08	45000	4800	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Bis(2-ethylhexyl)phthalate	ND	D08	45000	14000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTJ0524

Received: 09/30/10
Reported: 10/18/10 12:39

Project: NYSDEC-Gastown WWTP (Waste): Site# 915171
Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ0524-02 (DNAPL DISPOSAL - Waste) - cont.						Sampled: 09/30/10 17:50		Recvd: 09/30/10 18:20		

Semivolatile Organics by GC/MS - cont.

Butyl benzyl phthalate	ND	D08	45000	12000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Caprolactam	ND	D08	45000	19000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Carbazole	360000	D08	45000	530	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Chrysene	5400000	D08	45000	450	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Dibenz[a,h]anthracene	670000	D08	45000	530	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Dibenzofuran	1700000	D08	45000	480	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Diethyl phthalate	ND	D08	45000	1400	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Dimethyl phthalate	ND	D08	45000	1200	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Di-n-butyl phthalate	ND	D08	45000	15000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Di-n-octyl phthalate	ND	D08	45000	1000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Fluoranthene	14000000	D08	45000	640	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Fluorene	10000000	D08	45000	1000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Hexachlorobenzene	ND	D08	45000	2200	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Hexachlorobutadiene	ND	D08	45000	2300	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Hexachlorocyclopentadiene	ND	D08	45000	14000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Hexachloroethane	ND	D08	45000	3500	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Indeno[1,2,3-cd]pyrene	2500000	D08	45000	1300	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Isophorone	ND	D08	45000	2200	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Nitrobenzene	ND	D08	45000	2000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
N-Nitrosodi-n-propylamine	ND	D08	45000	3500	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
N-Nitrosodiphenylamine	ND	D08	45000	2500	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Pentachloroethane	ND	D08	88000	22000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Pentachlorophenol	ND	D08	88000	15000	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Phenol	ND	D08	45000	4800	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
Pyrene	17000000	D08	45000	290	ug/kg	20.0	10/12/10 05:19	JLG	10J0293	8270C
2,4,6-Tribromophenol	77 %	D08	Surr Limits: (39-146%)				10/12/10 05:19	JLG	10J0293	8270C
2-Fluorobiphenyl	96 %	D08	Surr Limits: (37-120%)				10/12/10 05:19	JLG	10J0293	8270C
2-Fluorophenol	69 %	D08	Surr Limits: (18-120%)				10/12/10 05:19	JLG	10J0293	8270C
Nitrobenzene-d5	75 %	D08	Surr Limits: (34-132%)				10/12/10 05:19	JLG	10J0293	8270C
Phenol-d5	77 %	D08	Surr Limits: (11-120%)				10/12/10 05:19	JLG	10J0293	8270C
p-Terphenyl-d14	91 %	D08	Surr Limits: (58-147%)				10/12/10 05:19	JLG	10J0293	8270C

Organochlorine Pesticides by EPA Method 8081A

4,4'-DDD	9.8	QFL,J	21	4.0	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
4,4'-DDE	ND	QFL	21	5.8	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
4,4'-DDT	21	QFL	21	4.6	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Aldrin	14	QFL,J	21	2.1	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
alpha-BHC	12	QFL,J	21	3.8	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
alpha-Chlordane	ND	QFL	21	10	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
beta-BHC	ND	QFL	21	15	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Chlordane	ND	QFL	210	83	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
delta-BHC	18	QFL,J	21	2.8	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Dieldrin	8.5	QFL,J	21	5.0	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Endosulfan I	5.1	QFL,J	21	4.4	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Endosulfan II	6.4	QFL,J	21	3.8	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Endosulfan sulfate	99	QFL	21	3.9	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Endrin	14	QFL,J	21	6.7	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Endrin aldehyde	ND	QFL	21	5.3	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTJ0524

Project: NYSDEC-Gastown WWTP (Waste): Site# 915171
Project Number: NYSDEC

Received: 09/30/10
Reported: 10/18/10 12:39

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ0524-02 (DNAPL DISPOSAL - Waste) - cont.						Sampled: 09/30/10 17:50		Recvd: 09/30/10 18:20		

Organochlorine Pesticides by EPA Method 8081A - cont.

Endrin ketone	23	QFL	21	5.0	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
gamma-BHC (Lindane)	15	QFL,J	21	3.6	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
gamma-Chlordane	9.9	QFL,J	21	2.9	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Heptachlor	9.0	QFL,J	21	3.2	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Heptachlor epoxide	14	QFL,J	21	5.4	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Methoxychlor	ND	QFL	21	5.4	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A
Toxaphene	ND	QFL	210	120	mg/kg	50.0	10/06/10 23:46	MAN	10J0291	8081A

Decachlorobiphenyl	70 %	QFL	Surr Limits: (42-146%)				10/06/10 23:46	MAN	10J0291	8081A
Tetrachloro-m-xylene	239 %	QFL	Surr Limits: (37-136%)				10/06/10 23:46	MAN	10J0291	8081A

Polychlorinated Biphenyls by EPA Method 8082

Aroclor 1016 [2C]	ND	QSU	2.5	2.5	mg/kg	1.00	10/03/10 14:49	JxM	10J0097	8082
Aroclor 1221 [2C]	ND	QSU	2.5	2.5	mg/kg	1.00	10/03/10 14:49	JxM	10J0097	8082
Aroclor 1232 [2C]	ND	QSU	2.5	2.5	mg/kg	1.00	10/03/10 14:49	JxM	10J0097	8082
Aroclor 1242 [2C]	ND	QSU	2.5	2.5	mg/kg	1.00	10/03/10 14:49	JxM	10J0097	8082
Aroclor 1248 [2C]	ND	QSU	2.5	2.5	mg/kg	1.00	10/03/10 14:49	JxM	10J0097	8082
Aroclor 1254 [2C]	ND	QSU	2.5	2.5	mg/kg	1.00	10/03/10 14:49	JxM	10J0097	8082
Aroclor 1260 [2C]	ND	QSU	2.5	2.5	mg/kg	1.00	10/03/10 14:49	JxM	10J0097	8082

Decachlorobiphenyl [2C]	92 %	QSU	Surr Limits: (34-148%)				10/03/10 14:49	JxM	10J0097	8082
Tetrachloro-m-xylene [2C]	93 %	QSU	Surr Limits: (35-134%)				10/03/10 14:49	JxM	10J0097	8082

Total Metals by SW 846 Series Methods

Aluminum	ND		9.4	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Antimony	ND		14.1	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Arsenic	4.9		1.9	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Barium	ND		0.470	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Beryllium	ND		0.188	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Cadmium	ND		0.188	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Calcium	ND		47.0	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Chromium	0.517		0.470	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Cobalt	ND		0.470	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Copper	ND		0.9	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Iron	75.5		9.4	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Lead	ND		0.9	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Magnesium	ND		18.8	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Manganese	0.9		0.2	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Nickel	ND		4.70	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Potassium	ND		28.2	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Selenium	ND		3.8	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Silver	ND		0.470	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Sodium	ND		132	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Thallium	ND		5.6	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Vanadium	ND		0.470	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Zinc	ND		1.9	NR	mg/kg wet	1.00	10/05/10 16:03	DAN	10J0216	6010B
Mercury	ND		0.0202	NR	mg/kg wet	1.00	10/07/10 12:39	JRK	10J0407	7471A

General Chemistry Parameters

New York State D.E.C. - Buffalo, NY
 270 Michigan Avenue
 Buffalo, NY 14203

Work Order: RTJ0524

Received: 09/30/10
 Reported: 10/18/10 12:39

Project: NYSDEC-Gastown WWTP (Waste): Site# 915171
 Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ0524-02 (DNAPL DISPOSAL - Waste) - cont.					Sampled: 09/30/10 17:50			Recvd: 09/30/10 18:20		

General Chemistry Parameters - cont.

Flashpoint	>176.0		50.0	50.0	°F	1.00	10/15/10 13:42	RJF	10J1314	1010
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New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTJ0524

Project: NYSDEC-Gastown WWTP (Waste): Site# 915171
Project Number: NYSDEC

Received: 09/30/10
Reported: 10/18/10 12:39

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ0524-02RE1 (DNAPL DISPOSAL - Waste)					Sampled: 09/30/10 17:50			Recvd: 09/30/10 18:20		

Volatile Organic Compounds by EPA 8260B

Styrene	4500000	W1, D08	480000	480000	ug/kg wet	20000	10/07/10 19:17	LH	10J0501	8260B
Toluene	5400000	W1, D08	530000	530000	ug/kg wet	20000	10/07/10 19:17	LH	10J0501	8260B
1,2-Dichloroethane-d4	98 %	W1, D08	Surr Limits: (53-146%)				10/07/10 19:17	LH	10J0501	8260B
4-Bromofluorobenzene	109 %	W1, D08	Surr Limits: (49-148%)				10/07/10 19:17	LH	10J0501	8260B
Toluene-d8	106 %	W1, D08	Surr Limits: (50-149%)				10/07/10 19:17	LH	10J0501	8260B

Semivolatile Organics by GC/MS

Naphthalene	78000000	D08,B, B1	230000	3700	ug/kg	100	10/12/10 10:05	MKP	10J0293	8270C
Phenanthrene	32000000	D08	230000	4700	ug/kg	100	10/12/10 10:05	MKP	10J0293	8270C
p-Toluidine	ND	D08	440000	210000	ug/kg	100	10/12/10 10:05	MKP	10J0293	8270C
2,4,6-Tribromophenol	43 %	D08	Surr Limits: (39-146%)				10/12/10 10:05	MKP	10J0293	8270C
2-Fluorobiphenyl	86 %	D08	Surr Limits: (37-120%)				10/12/10 10:05	MKP	10J0293	8270C
2-Fluorophenol	61 %	D08	Surr Limits: (18-120%)				10/12/10 10:05	MKP	10J0293	8270C
Nitrobenzene-d5	67 %	D08	Surr Limits: (34-132%)				10/12/10 10:05	MKP	10J0293	8270C
Phenol-d5	63 %	D08	Surr Limits: (11-120%)				10/12/10 10:05	MKP	10J0293	8270C
p-Terphenyl-d14	77 %	D08	Surr Limits: (58-147%)				10/12/10 10:05	MKP	10J0293	8270C

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270 Michigan Avenue
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Work Order: RTJ0524

Project: NYSDEC-Gastown WWTP (Waste): Site# 915171
Project Number: NYSDEC

Received: 09/30/10
Reported: 10/18/10 12:39

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
General Chemistry Parameters									
1010	10J0336	RTJ0524-01	50.00	g	50.00	mL	10/05/10 18:45	JLN	No Prep Flashpoint
1010	10J1314	RTJ0524-02	1.00	mL	1.00	mL	10/15/10 13:42	RJF	No Prep Flashpoint
Dry Weight	10J0170	RTJ0524-01	10.00	g	10.00	g	10/04/10 09:25	JRR	Dry Weight
Organochlorine Pesticides by EPA Method 8081A									
8081A	10J0291	RTJ0524-02	0.12	g	10.00	mL	10/05/10 17:36	BWM	3580A
Polychlorinated Biphenyls by EPA Method 8082									
8082	10J0136	RTJ0524-01	30.73	g	10.00	mL	10/04/10 10:00	CXM	3550B GC
8082	10J0097	RTJ0524-02	0.10	g	10.00	mL	10/01/10 21:07	LTT	3580A
Semivolatile Organics by GC/MS									
8270C	10J0293	RTJ0524-02	0.15	g	1.00	mL	10/05/10 17:37	BWM	3580A
8270C	10J0293	RTJ0524-02RE1	0.15	g	1.00	mL	10/05/10 17:37	BWM	3580A
TCLP Metals									
6010B TCLP	10J0294	RTJ0524-01	50.00	mL	50.00	mL	10/05/10 14:25	MDM	3010A
7470A TCLP	10J0376	RTJ0524-01	30.00	mL	50.00	mL	10/06/10 13:30	JRK	7470A
TCLP Pesticides by EPA Method 1311/8081A									
8081 TCLP	10J0288	RTJ0524-01	250.00	mL	10.00	mL	10/05/10 17:29	LTT	3510C GC
TCLP Semivolatile Compounds by EPA Method 1311/8270C									
8270C TCLP	10J0286	RTJ0524-01	250.00	mL	1.00	mL	10/05/10 17:27	JXB	3510C MB
TCLP Volatile Organic Compounds by EPA Method 1311/8260B									
8260B TCLP	10J0349	RTJ0524-01	5.00	mL	5.00	mL	10/06/10 08:56	JRS	5030B MS TCLP
8260B TCLP	10J0349	RTJ0524-01RE1	5.00	mL	5.00	mL	10/06/10 08:56	PJQ	5030B MS TCLP
Total Metals by SW 846 Series Methods									
6010B	10J0216	RTJ0524-02	0.53	g	50.00	mL	10/04/10 16:35	MDM	3050B
7471A	10J0407	RTJ0524-02	0.59	g	50.00	mL	10/07/10 10:15	JRK	7471A_
Volatile Organic Compounds by EPA 8260B									
8260B	10J0395	RTJ0524-02	2.51	g	250.00	mL	10/06/10 12:03	LCH	Methanol Prep
8260B	10J0501	RTJ0524-02RE1	2.51	g	250.00	mL	10/07/10 09:18	LCH	Methanol Prep

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes No

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1/07)

Client: NYSDDEC-Region 9 Project Manager: Glenn May Date: 9.30-10 Chain of Custody Number: 158586

Address: _____ Telephone Number (Area Code) & Fax Number: _____ Lab Number: _____

City: _____ State: _____ Zip Code: _____ Site Contact: _____ Lab Contact: _____

Project Name and Location (State): Gastown WWTP Side # 915171 Carrier/Waybill Number: _____

Contract/Purchase Order/Quote No: NYSDDEC-Region 9 Remediation/Spills Contract - NY

Sample I.D. No. and Description <i>(Containers for each sample may be combined on one line)</i>	Date	Time	Analysis (Attach list if more space is needed)										Special Instructions/ Conditions of Receipt											
			Matrix	Containers & Preservatives	TCLP UA	TCLP - Metals	Flush Res, TCLP w/p	TCLP PESTS, TCLP SOA	Pests	PESTS	Sub A	TAL Metals		VOAS	Flmsy									
Spent Carbon	9.30-10	1725																						
DNAPL Disposal	9.30-10	1750				X																		

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal: Return To Client Disposal By Lab Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other

QC Requirements (Specify): _____

1. Relinquished By: <u>[Signature]</u> / <u>TGES</u>	Date: <u>9.30.10</u>	Time: <u>1820</u>	1. Received By: <u>[Signature]</u>	Date: <u>9/30/10</u>	Time: <u>1820</u>
2. Relinquished By: _____	Date: _____	Time: _____	2. Received By: _____	Date: _____	Time: _____
3. Relinquished By: _____	Date: _____	Time: _____	3. Received By: _____	Date: _____	Time: _____

Comments: _____

4.4°C

Analytical Report

Work Order: RTJ2124

Project Description

NYSDEC - Gastown: Site# 915171/Pin# H0287

For:

Glenn May

New York State D.E.C. - Buffalo, NY

270 Michigan Avenue

Buffalo, NY 14203



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Thursday, November 11, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA, RCRA	NY200003
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTJ2124

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 10/28/10
Reported: 11/11/10 16:12

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

For method 8021, Methyl tert-Butyl Ether is decreased and slightly below laboratory control limits for the Matrix Spike Blank and Matrix Spike Blank Duplicate. The sample results is ND for Methyl tert-Butyl Ether, which matches historical, and repeated attempts to analyze yielded the same result.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Brian Fischer
Project Manager

Thursday, November 11, 2010

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTJ2124

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 10/28/10
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The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>SpecificMethod</u>	<u>Analyte</u>	<u>Units</u>	<u>Client RL</u>	<u>Lab PQL</u>
8260B	2-Butanone	ug/L	5.0	10
8260B	Acetone	ug/L	5.0	10

New York State D.E.C. - Buffalo, NY
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Reported: 11/11/10 16:12

DATA QUALIFIERS AND DEFINITIONS

- D08** Dilution required due to high concentration of target analyte(s)
HFT The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
N1 See case narrative.
NR Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

New York State D.E.C. - Buffalo, NY
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Work Order: RTJ2124

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 10/28/10
Reported: 11/11/10 16:12

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2124-01 (POST-CARBON - Ground Water)						Sampled: 10/28/10 15:10		Recvd: 10/28/10 16:20		
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	129		50	NR	ug/L	1.00	10/30/10 18:11	MxM	10J2473	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.248		0.0100	0.0050	mg/L	1.00	11/04/10 12:38	RJF	10K0315	335.4
pH	7.89	HFT	NR	0.00	SU	1.00	10/29/10 23:08	JFR	10K0084	4500-H+ B

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Work Order: RTJ2124

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 10/28/10
Reported: 11/11/10 16:12

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2124-02 (PRE-CARBON - Ground Water)					Sampled: 10/28/10 15:20			Recvd: 10/28/10 16:20		
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	143000		500	NR	ug/L	1.00	10/30/10 18:13	MxM	10J2473	200.7
Iron	315		50	NR	ug/L	1.00	10/30/10 18:13	MxM	10J2473	200.7
Magnesium	71900		200	NR	ug/L	1.00	10/30/10 18:13	MxM	10J2473	200.7
Potassium	5510		500	NR	ug/L	1.00	10/30/10 18:13	MxM	10J2473	200.7
Sodium	91800		1000	NR	ug/L	1.00	10/30/10 18:13	MxM	10J2473	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	522	D08	100	40.0	mg/L	10.0	10/29/10 12:54	RJF	10J2559	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	147	D08	1.00	0.56	mg/L	2.00	10/29/10 22:12	RMM	10J2534	300
Sulfate	157	D08	4.00	0.70	mg/L	2.00	10/29/10 22:12	RMM	10J2534	300

New York State D.E.C. - Buffalo, NY
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Work Order: RTJ2124

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 10/28/10
Reported: 11/11/10 16:12

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
POST-CARBON	RTJ2124-01	Ground Water	10/28/10 15:10	10/28/10 16:20	
PRE-CARBON	RTJ2124-02	Ground Water	10/28/10 15:20	10/28/10 16:20	

New York State D.E.C. - Buffalo, NY
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Work Order: RTJ2124

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287

Project Number: NYSDEC

Received: 10/28/10

Reported: 11/11/10 16:12

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2124-01 (POST-CARBON - Ground Water)						Sampled: 10/28/10 15:10		Recvd: 10/28/10 16:20		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		5.0	0.82	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
1,1,1,2,2-Tetrachloroethane	ND		5.0	0.21	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
1,1,2-Trichloroethane	ND		5.0	0.23	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
1,1-Dichloroethane	ND		5.0	0.38	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
1,1-Dichloroethene	ND		5.0	0.29	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
1,2-Dichloroethane	ND		5.0	0.21	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
1,2-Dichloroethene, Total	ND		10	0.70	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
1,2-Dichloropropane	ND		5.0	0.72	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
2-Butanone	ND		25	1.3	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
2-Hexanone	ND		25	1.2	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
4-Methyl-2-pentanone	ND		25	2.1	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Acetone	ND		25	3.0	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Benzene	ND		5.0	0.41	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Bromodichloromethane	ND		5.0	0.39	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Bromoform	ND		5.0	0.26	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Bromomethane	ND		5.0	0.69	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Carbon disulfide	ND		5.0	0.19	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Carbon Tetrachloride	ND		5.0	0.27	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Chlorobenzene	ND		5.0	0.75	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Dibromochloromethane	ND		5.0	0.32	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Chloroethane	ND		5.0	0.32	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Chloroform	ND		5.0	0.34	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Chloromethane	ND		5.0	0.35	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
cis-1,3-Dichloropropene	ND		5.0	0.36	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Ethylbenzene	ND		5.0	0.74	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Methylene Chloride	ND		5.0	0.44	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Styrene	ND		5.0	0.73	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Tetrachloroethene	ND		5.0	0.36	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Toluene	ND		5.0	0.51	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
trans-1,3-Dichloropropene	ND		5.0	0.37	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Trichloroethene	ND		5.0	0.46	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Vinyl acetate	ND		25	0.85	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Vinyl chloride	ND		5.0	0.90	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
Xylenes, total	ND		15	0.66	ug/L	1.00	11/05/10 20:10	DHC	10K0470	8260B
1,2-Dichloroethane-d4	93 %		Surr Limits: (66-137%)				11/05/10 20:10	DHC	10K0470	8260B
4-Bromofluorobenzene	97 %		Surr Limits: (73-120%)				11/05/10 20:10	DHC	10K0470	8260B
Toluene-d8	107 %		Surr Limits: (71-126%)				11/05/10 20:10	DHC	10K0470	8260B

Volatile Organic Compounds by EPA Method 8021B

1,2,4-Trimethylbenzene	ND	N1	0.20	0.035	ug/L	1.00	11/08/10 12:52	DGB	10K0672	8021B
1,3,5-Trimethylbenzene	ND	N1	0.20	0.15	ug/L	1.00	11/08/10 12:52	DGB	10K0672	8021B
Benzene	ND	N1	0.20	0.023	ug/L	1.00	11/08/10 12:52	DGB	10K0672	8021B
Ethylbenzene	ND	N1	0.20	0.029	ug/L	1.00	11/08/10 12:52	DGB	10K0672	8021B
Isopropylbenzene	ND	N1	0.20	0.027	ug/L	1.00	11/08/10 12:52	DGB	10K0672	8021B
Methyl-t-Butyl Ether (MTBE)	ND	N1	0.40	0.044	ug/L	1.00	11/08/10 12:52	DGB	10K0672	8021B
m-Xylene & p-Xylene	ND	N1	0.40	0.054	ug/L	1.00	11/08/10 12:52	DGB	10K0672	8021B
n-Butylbenzene	ND	N1	0.40	0.031	ug/L	1.00	11/08/10 12:52	DGB	10K0672	8021B
n-Propylbenzene	ND	N1	0.20	0.13	ug/L	1.00	11/08/10 12:52	DGB	10K0672	8021B
o-Xylene	ND	N1	0.20	0.027	ug/L	1.00	11/08/10 12:52	DGB	10K0672	8021B

TestAmerica Buffalo - 10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

www.testamericainc.com

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTJ2124

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 10/28/10
Reported: 11/11/10 16:12

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2124-01 (POST-CARBON - Ground Water) - cont.					Sampled: 10/28/10 15:10			Recvd: 10/28/10 16:20		
<u>Volatile Organic Compounds by EPA Method 8021B - cont.</u>										
p-Cymene	ND	N1	0.40	0.030	ug/L	1.00	11/08/10 12:52	DGB	10K0672	8021B
sec-Butylbenzene	ND	N1	0.40	0.020	ug/L	1.00	11/08/10 12:52	DGB	10K0672	8021B
Toluene	ND	N1	0.20	0.036	ug/L	1.00	11/08/10 12:52	DGB	10K0672	8021B
Xylenes, total	ND	N1	0.40	0.054	ug/L	1.00	11/08/10 12:52	DGB	10K0672	8021B
4-Bromofluorobenzene	92 %	N1	Surr Limits: (70-125%)				11/08/10 12:52	DGB	10K0672	8021B
a,a,a-Trifluorotoluene	94 %	N1	Surr Limits: (77-130%)				11/08/10 12:52	DGB	10K0672	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	129		50	NR	ug/L	1.00	10/30/10 18:11	MxM	10J2473	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.248		0.0100	0.0050	mg/L	1.00	11/04/10 12:38	RJF	10K0315	335.4
pH	7.89	HFT	NA	0.00	SU	1.00	10/29/10 23:08	JFR	10K0084	4500-H+ B

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Work Order: RTJ2124

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 10/28/10
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2124-01RE1 (POST-CARBON - Ground Water)					Sampled: 10/28/10 15:10			Recvd: 10/28/10 16:20		
<u>Volatile Organic Compounds by EPA Method 8021B</u>										
1,2,4-Trimethylbenzene	ND		0.20	0.035	ug/L	1.00	11/09/10 15:50	DGB	10K1065	8021B
1,3,5-Trimethylbenzene	ND		0.20	0.15	ug/L	1.00	11/09/10 15:50	DGB	10K1065	8021B
Benzene	ND		0.20	0.023	ug/L	1.00	11/09/10 15:50	DGB	10K1065	8021B
Ethylbenzene	ND		0.20	0.029	ug/L	1.00	11/09/10 15:50	DGB	10K1065	8021B
Isopropylbenzene	ND		0.20	0.027	ug/L	1.00	11/09/10 15:50	DGB	10K1065	8021B
Methyl-t-Butyl Ether (MTBE)	ND		0.40	0.044	ug/L	1.00	11/09/10 15:50	DGB	10K1065	8021B
m-Xylene & p-Xylene	ND		0.40	0.054	ug/L	1.00	11/09/10 15:50	DGB	10K1065	8021B
n-Butylbenzene	ND		0.40	0.031	ug/L	1.00	11/09/10 15:50	DGB	10K1065	8021B
n-Propylbenzene	ND		0.20	0.13	ug/L	1.00	11/09/10 15:50	DGB	10K1065	8021B
o-Xylene	ND		0.20	0.027	ug/L	1.00	11/09/10 15:50	DGB	10K1065	8021B
p-Cymene	ND		0.40	0.030	ug/L	1.00	11/09/10 15:50	DGB	10K1065	8021B
sec-Butylbenzene	ND		0.40	0.020	ug/L	1.00	11/09/10 15:50	DGB	10K1065	8021B
Toluene	ND		0.20	0.036	ug/L	1.00	11/09/10 15:50	DGB	10K1065	8021B
Xylenes, total	ND		0.40	0.054	ug/L	1.00	11/09/10 15:50	DGB	10K1065	8021B
4-Bromofluorobenzene	97 %		<i>Surr Limits: (70-125%)</i>				11/09/10 15:50	DGB	10K1065	8021B
a,a,a-Trifluorotoluene	98 %		<i>Surr Limits: (77-130%)</i>				11/09/10 15:50	DGB	10K1065	8021B

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTJ2124

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 10/28/10
Reported: 11/11/10 16:12

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2124-02 (PRE-CARBON - Ground Water)						Sampled: 10/28/10 15:20		Recvd: 10/28/10 16:20		
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	143000		500	NR	ug/L	1.00	10/30/10 18:13	MxM	10J2473	200.7
Iron	315		50	NR	ug/L	1.00	10/30/10 18:13	MxM	10J2473	200.7
Magnesium	71900		200	NR	ug/L	1.00	10/30/10 18:13	MxM	10J2473	200.7
Potassium	5510		500	NR	ug/L	1.00	10/30/10 18:13	MxM	10J2473	200.7
Sodium	91800		1000	NR	ug/L	1.00	10/30/10 18:13	MxM	10J2473	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	522	D08	100	40.0	mg/L	10.0	10/29/10 12:54	RJF	10J2559	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	147	D08	1.00	0.56	mg/L	2.00	10/29/10 22:12	RMM	10J2534	300
Sulfate	157	D08	4.00	0.70	mg/L	2.00	10/29/10 22:12	RMM	10J2534	300

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Work Order: RTJ2124

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 10/28/10
Reported: 11/11/10 16:12

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Anions by EPA Method 300.0									
300	10J2534	RTJ2124-02	5.00	mL	5.00	mL	10/29/10 11:51	RMM	Direct Injection - Anions
General Chemistry Parameters									
310.2	10J2559	RTJ2124-02	2.00	mL	2.00	mL	10/29/10 08:43	RJF	No Prep Alkalinity
335.4	10K0315	RTJ2124-01	50.00	mL	50.00	mL	11/03/10 10:55	JME	Cn Digestion
4500-H+ B	10K0084	RTJ2124-01	1.00	mL	1.00	mL	10/29/10 23:08	JFR	pH
Total Metals by EPA 200 Series Methods									
200.7	10J2473	RTJ2124-01	50.00	mL	50.00	mL	10/29/10 09:30	MDM	3005A
200.7	10J2473	RTJ2124-02	50.00	mL	50.00	mL	10/29/10 09:30	MDM	3005A
Volatile Organic Compounds by EPA 8260B									
8260B	10K0470	RTJ2124-01	5.00	mL	5.00	mL	11/05/10 10:38	DHC	5030B MS
Volatile Organic Compounds by EPA Method 8021B									
8021B	10K0672	RTJ2124-01	1.00	mL	1.00	mL	11/08/10 08:00	DGB	5030B GC
8021B	10K1065	RTJ2124-01RE1	1.00	mL	1.00	mL	11/09/10 09:41	DGB	5030B GC

Chain of Custody Record

TestAmerica
LABORATORY SERVICES

Client Information					Sampler <i>T. Halmer</i>	Lab P.M. Brian Fischer		Carrier Tracking No(s)			COC No 10112010 15.03_1				
Client Contact Glenn May					Phone <i>(716) 325-0206</i>	E-Mail Brian.Fischer@testamencaloc.com					Page 1				
Company New York State D.E.C - Buffalo, NY					Parameter(s) Requested							Job #			
Address 270 Michigan Avenue					Due Date Requested		Field Filled Sample (Yes or No) Perform MS/MSD (Yes or No)						Preservation Codes: A=HCL Z=Z B=NaOH C=Zn Acetate D=Nitric Acid E=Ce N=None S=H2SO4 V=MCAA Container Codes: A=Amber T=Tedlar G=Glass V=Val P=Poly/Plastic S=Summa		
City Buffalo					TAT Requested (Business Days) 10										
State, Zip NY, 14203					PO # 116986										
Phone (716) 851-7220					WO # RTJ1132										
Email					Project # NYSDEC - Gastown Site# 915171/Pm# H0287										
Project Name NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT - NY					SSOW#										
Sample Identification			Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Soil, O=Other)	Preserv-Cont Code			Total Number of containers		Special Instructions/Note:			
POST-CARBON			10-28-10	1510	G	W	I-P	Z-P	D-P	B-P	I-A		A-V	A-V	9
PRE-CARBON			10-28-10	1520	G	W									4
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months										
Deliverable Requestor I, II, III, IV, Other (specify)					Special Instructions/QC Requirements										
Empty Kit Re-quisitioned by			Date	Time	Method of shipment										
Requisitioned by <i>Glenn May</i>			Date/Time 10-28-10 1620	Company GES	Received by <i>[Signature]</i>			Date/Time 10/28/10 1620	Company						
Requisitioned by			Date/Time	Company	Received by			Date/Time	Company						
Requisitioned by			Date/Time	Company	Received by			Date/Time	Company						
Custody Seals Intact A Yes A No		Custody Seal No		Color Temperature(s) °C and Other Remarks 3.4°											

Analytical Report

Work Order: RTK1632

Project Description

NYSDEC - Gastown: Site# 915171/Pin# H0287

For:

Glenn May

New York State D.E.C. - Buffalo, NY

270 Michigan Avenue

Buffalo, NY 14203



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Monday, December 6, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA, RCRA	NY200003
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTK1632

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 11/24/10
Reported: 12/06/10 16:35

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Brian Fischer
Project Manager

Monday, December 6, 2010

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTK1632

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

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Reported: 12/06/10 16:35

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>SpecificMethod</u>	<u>Analyte</u>	<u>Units</u>	<u>Client RL</u>	<u>Lab PQL</u>
8260B	2-Butanone	ug/L	5.0	10
8260B	Acetone	ug/L	5.0	10

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
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Work Order: RTK1632

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 11/24/10
Reported: 12/06/10 16:35

DATA QUALIFIERS AND DEFINITIONS

- B** Analyte was detected in the associated Method Blank.
- C4** Calibration Verification recovery was below the method control limit for this analyte.
- D08** Dilution required due to high concentration of target analyte(s)
- J** Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
- NR** Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTK1632

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 11/24/10
Reported: 12/06/10 16:35

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTK1632-01 (POST-CARBON - Ground Water)					Sampled: 11/24/10 10:00			Recvd: 11/24/10 11:30		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Benzene	0.63	J	5.0	0.41	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Toluene	0.69	J	5.0	0.51	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
<u>Volatile Organic Compounds by EPA Method 8021B</u>										
Benzene	0.94		0.20	0.023	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
Ethylbenzene	0.16	J	0.20	0.029	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
m-Xylene & p-Xylene	0.29	J	0.40	0.054	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
Toluene	1.1		0.20	0.036	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
Xylenes, total	0.29	J	0.40	0.054	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	74		50	NR	ug/L	1.00	11/29/10 19:28	AMH	10K2571	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.141		0.0100	0.0050	mg/L	1.00	11/30/10 11:13	RJF	10K2666	335.4
pH	7.79		NR	0.00	SU	1.00	11/24/10 22:30	JLN	10K2440	4500-H+ B

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTK1632

Received: 11/24/10
Reported: 12/06/10 16:35

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTK1632-02 (PRE-CARBON - Ground Water)					Sampled: 11/24/10 10:10			Recvd: 11/24/10 11:30		
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	139000		500	NR	ug/L	1.00	11/29/10 19:30	AMH	10K2571	200.7
Iron	337		50	NR	ug/L	1.00	11/29/10 19:30	AMH	10K2571	200.7
Magnesium	73600		200	NR	ug/L	1.00	11/29/10 19:30	AMH	10K2571	200.7
Potassium	5020		500	NR	ug/L	1.00	11/29/10 19:30	AMH	10K2571	200.7
Sodium	80100		1000	NR	ug/L	1.00	11/29/10 19:30	AMH	10K2571	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	491	D08, B	50.0	20.0	mg/L	5.00	11/29/10 13:36	KLD	10K2661	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	134	D08	1.00	0.56	mg/L	2.00	11/30/10 15:30	RMM	10K2692	300
Sulfate	155	D08	4.00	0.70	mg/L	2.00	11/30/10 15:30	RMM	10K2692	300

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTK1632

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 11/24/10
Reported: 12/06/10 16:35

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
POST-CARBON	RTK1632-01	Ground Water	11/24/10 10:00	11/24/10 11:30	
PRE-CARBON	RTK1632-02	Ground Water	11/24/10 10:10	11/24/10 11:30	

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTK1632

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 11/24/10
Reported: 12/06/10 16:35

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTK1632-01 (POST-CARBON - Ground Water)						Sampled: 11/24/10 10:00		Recvd: 11/24/10 11:30		

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND		5.0	0.82	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
1,1,2,2-Tetrachloroethane	ND		5.0	0.21	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
1,1,2-Trichloroethane	ND		5.0	0.23	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
1,1-Dichloroethane	ND		5.0	0.38	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
1,1-Dichloroethene	ND		5.0	0.29	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
1,2-Dichloroethane	ND		5.0	0.21	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
1,2-Dichloroethene, Total	ND		10	0.70	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
1,2-Dichloropropane	ND		5.0	0.72	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
2-Butanone	ND		25	1.3	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
2-Hexanone	ND		25	1.2	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
4-Methyl-2-pentanone	ND		25	2.1	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Acetone	ND		25	3.0	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Benzene	0.63	J	5.0	0.41	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Bromodichloromethane	ND		5.0	0.39	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Bromoform	ND		5.0	0.26	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Bromomethane	ND		5.0	0.69	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Carbon disulfide	ND		5.0	0.19	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Carbon Tetrachloride	ND		5.0	0.27	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Chlorobenzene	ND		5.0	0.75	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Dibromochloromethane	ND		5.0	0.32	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Chloroethane	ND		5.0	0.32	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Chloroform	ND		5.0	0.34	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Chloromethane	ND		5.0	0.35	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
cis-1,3-Dichloropropene	ND		5.0	0.36	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Ethylbenzene	ND		5.0	0.74	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Methylene Chloride	ND		5.0	0.44	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Styrene	ND		5.0	0.73	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Tetrachloroethene	ND		5.0	0.36	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Toluene	0.69	J	5.0	0.51	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
trans-1,3-Dichloropropene	ND		5.0	0.37	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Trichloroethene	ND		5.0	0.46	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Vinyl acetate	ND		25	0.85	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Vinyl chloride	ND		5.0	0.90	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
Xylenes, total	ND		15	0.66	ug/L	1.00	12/02/10 19:50	JRS	10L0136	8260B
1,2-Dichloroethane-d4	109 %		Surr Limits: (66-137%)				12/02/10 19:50	JRS	10L0136	8260B
4-Bromofluorobenzene	94 %		Surr Limits: (73-120%)				12/02/10 19:50	JRS	10L0136	8260B
Toluene-d8	108 %		Surr Limits: (71-126%)				12/02/10 19:50	JRS	10L0136	8260B

Volatile Organic Compounds by EPA Method 8021B

1,2,4-Trimethylbenzene	ND		0.20	0.035	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
1,3,5-Trimethylbenzene	ND		0.20	0.15	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
Benzene	0.94		0.20	0.023	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
Ethylbenzene	0.16	J	0.20	0.029	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
Isopropylbenzene	ND		0.20	0.027	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
Methyl-t-Butyl Ether (MTBE)	ND	C4	0.40	0.044	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
m-Xylene & p-Xylene	0.29	J	0.40	0.054	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
n-Butylbenzene	ND		0.40	0.031	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
n-Propylbenzene	ND		0.20	0.13	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
o-Xylene	ND		0.20	0.027	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B

TestAmerica Buffalo - 10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

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New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTK1632

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 11/24/10
Reported: 12/06/10 16:35

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTK1632-01 (POST-CARBON - Ground Water) - cont.					Sampled: 11/24/10 10:00			Recvd: 11/24/10 11:30		
<u>Volatile Organic Compounds by EPA Method 8021B - cont.</u>										
p-Cymene	ND		0.40	0.030	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
sec-Butylbenzene	ND		0.40	0.020	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
Toluene	1.1		0.20	0.036	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
Xylenes, total	0.29	J	0.40	0.054	ug/L	1.00	11/29/10 12:08	tchro	10K2632	8021B
4-Bromofluorobenzene	91 %		Surr Limits: (70-125%)				11/29/10 12:08	tchro	10K2632	8021B
a,a,a-Trifluorotoluene	93 %		Surr Limits: (77-130%)				11/29/10 12:08	tchro	10K2632	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	74		50	NR	ug/L	1.00	11/29/10 19:28	AMH	10K2571	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.141		0.0100	0.0050	mg/L	1.00	11/30/10 11:13	RJF	10K2666	335.4
pH	7.79		NA	0.00	SU	1.00	11/24/10 22:30	JLN	10K2440	4500-H+ B

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTK1632

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 11/24/10
Reported: 12/06/10 16:35

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTK1632-02 (PRE-CARBON - Ground Water)						Sampled: 11/24/10 10:10		Recvd: 11/24/10 11:30		
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	139000		500	NR	ug/L	1.00	11/29/10 19:30	AMH	10K2571	200.7
Iron	337		50	NR	ug/L	1.00	11/29/10 19:30	AMH	10K2571	200.7
Magnesium	73600		200	NR	ug/L	1.00	11/29/10 19:30	AMH	10K2571	200.7
Potassium	5020		500	NR	ug/L	1.00	11/29/10 19:30	AMH	10K2571	200.7
Sodium	80100		1000	NR	ug/L	1.00	11/29/10 19:30	AMH	10K2571	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	491	D08, B	50.0	20.0	mg/L	5.00	11/29/10 13:36	KLD	10K2661	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	134	D08	1.00	0.56	mg/L	2.00	11/30/10 15:30	RMM	10K2692	300
Sulfate	155	D08	4.00	0.70	mg/L	2.00	11/30/10 15:30	RMM	10K2692	300

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Work Order: RTK1632

Project: NYSDEC - Gastown: Site# 915171/Pin# H0287
Project Number: NYSDEC

Received: 11/24/10
Reported: 12/06/10 16:35

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Anions by EPA Method 300.0									
300	10K2692	RTK1632-02	5.00	mL	5.00	mL	11/30/10 09:48	RMM	Direct Injection - Anions
General Chemistry Parameters									
310.2	10K2661	RTK1632-02	2.00	mL	2.00	mL	11/29/10 11:24	KLD	No Prep Alkalinity
335.4	10K2666	RTK1632-01	50.00	mL	50.00	mL	11/29/10 19:09	JFR	Cn Digestion
4500-H+ B	10K2440	RTK1632-01	25.00	mL	25.00	mL	11/24/10 22:30	JLN	No prep pH
Total Metals by EPA 200 Series Methods									
200.7	10K2571	RTK1632-01	50.00	mL	50.00	mL	11/29/10 09:15	JRK	3005A
200.7	10K2571	RTK1632-02	50.00	mL	50.00	mL	11/29/10 09:15	JRK	3005A
Volatile Organic Compounds by EPA 8260B									
8260B	10L0136	RTK1632-01	5.00	mL	5.00	mL	12/02/10 12:02	JRS	5030B MS
Volatile Organic Compounds by EPA Method 8021B									
8021B	10K2632	RTK1632-01	1.00	mL	1.00	mL	11/29/10 09:04	DGB	5030B GC

Chain of Custody Record

Client Information Client Contact: Glenn May Company: New York State D.E.C - Buffalo, NY Address: 270 Michigan Avenue City: Buffalo State, Zip: NY, 14203 Phone: (716) 851-7220 Email: Project Name: NYSDEC-Gastown WWTP(M/ny): Site# 915171 Site: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT - NY					Sampler: Tom Palmer / GES Phone: 484-325-0206 Lab PM: Brian Fischer E-Mail: Brian.Fischer@lestamericainc.com		Carrier Tracking Note: COC No: 11032010 10:08_1 Page: 1 Job #:																		
Due Date Requested: TAT Requested (Business Days) 10 PO #: 116986 IWO #: RTK0413 Project #: NYSDEC - Gastown: Site# 915171/Pin# H0287 SSO#:					Parameter(s) Requested								Preservation Codes: A=HCL Z=Z B=NaOH C=Zn Acetate D=Nitric Acid E=Ice N=None S=H2SO4 V=MCAA Container Codes: A=Amber T=Teal G=Glass V=Vial P=Poly/Plastic S=Summa												
Sample Identification					Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (F=Filter, S=Soil, O=Other, S&M)	Preserve-Cont Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD/Trace No.	PH	Alk	T-Metals	CN	Cl: SO4	BOD/5 ₀	Volat	Total Number of Containers	Special Instructions/Note:					
					XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX						
					11-24-10	1000	G	W		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	1	1	1	3	3			9					
					11-24-10	1110	G	W		<input type="checkbox"/>	<input type="checkbox"/>		1	1	2					4					
										<input type="checkbox"/>	<input type="checkbox"/>														
										<input type="checkbox"/>	<input type="checkbox"/>														
										<input type="checkbox"/>	<input type="checkbox"/>														
										<input type="checkbox"/>	<input type="checkbox"/>														
										<input type="checkbox"/>	<input type="checkbox"/>														
										<input type="checkbox"/>	<input type="checkbox"/>														
										<input type="checkbox"/>	<input type="checkbox"/>														
										<input type="checkbox"/>	<input type="checkbox"/>														
										<input type="checkbox"/>	<input type="checkbox"/>														
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months																				
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements:																				
Empty Kit Relinquished by:					Date:				Time:				Method of Shipment:												
Relinquished by: <i>[Signature]</i>					Date/Time: 11-24-10 / 1130				Company: GES				Received by: <i>[Signature]</i>				Date/Time: 11-24-10 1130				Company: <i>[Signature]</i>				
Relinquished by:					Date/Time:				Company:				Received by:				Date/Time:				Company:				
Relinquished by:					Date/Time:				Company:				Received by:				Date/Time:				Company:				
Custody Seals Intact: Δ Yes A No					Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks: 4.6°C																

Analytical Report

Work Order: RTL1445

Project Description

NYSDEC-Gastown WWTP: Site# 915171

For:

Glenn May

New York State D.E.C. - Buffalo, NY

270 Michigan Avenue

Buffalo, NY 14203



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Monday, January 10, 2011

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA, RCRA	NY200003
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTL1445


Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 12/30/10
Reported: 01/10/11 08:47

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Brian Fischer
Project Manager

Monday, January 10, 2011

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
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The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>SpecificMethod</u>	<u>Analyte</u>	<u>Units</u>	<u>Client RL</u>	<u>Lab PQL</u>
420.4	Total Recoverable Phenolics	mg/L	0.0050	0.0100
8260B	2-Butanone	ug/L	5.0	10
8260B	Acetone	ug/L	5.0	10
8270C	Dibenzofuran	ug/L	5.0	10

New York State D.E.C. - Buffalo, NY
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Project Number: NYSDEC

Received: 12/30/10
Reported: 01/10/11 08:47

DATA QUALIFIERS AND DEFINITIONS

- B** Analyte was detected in the associated Method Blank.
- C** Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected above the laboratory PQL, data not impacted.
- D08** Dilution required due to high concentration of target analyte(s)
- J** Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
- L** Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
- NR** Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

New York State D.E.C. - Buffalo, NY
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Work Order: RTL1445

Project: NYSDEC-Gastown WWTP: Site# 915171
 Project Number: NYSDEC

Received: 12/30/10
 Reported: 01/10/11 08:47

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL1445-01 (PRE-CARBON - Ground Water)					Sampled: 12/30/10 13:35			Recvd: 12/30/10 15:15		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Ethylbenzene	590	D08	80	59	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Styrene	2000	D08	80	58	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Toluene	5300	D08	80	41	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Xylenes, total	1600	D08	240	53	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
<u>Volatile Organic Compounds by EPA Method 8021B</u>										
1,2,4-Trimethylbenzene	200	D08	40	6.9	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
1,3,5-Trimethylbenzene	120	D08	40	30	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
Benzene	9600	D08	40	4.7	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
Ethylbenzene	630	D08	40	5.7	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
Isopropylbenzene	62	D08	40	5.4	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
m-Xylene & p-Xylene	1300	D08	80	11	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
n-Butylbenzene	73	D08,J	80	6.2	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
n-Propylbenzene	55	D08	40	26	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
o-Xylene	480	D08	40	5.4	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
p-Cymene	67	D08,J	80	5.9	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
Toluene	5100	D08	40	7.1	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
Xylenes, total	1800	D08	80	11	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	143000		500	NR	ug/L	1.00	01/03/11 18:40	LMH	11A0003	200.7
Iron	599		50	NR	ug/L	1.00	01/03/11 18:40	LMH	11A0003	200.7
Magnesium	92900		200	NR	ug/L	1.00	01/03/11 18:40	LMH	11A0003	200.7
Potassium	4360		500	NR	ug/L	1.00	01/03/11 18:40	LMH	11A0003	200.7
Sodium	81100		1000	NR	ug/L	1.00	01/03/11 18:40	LMH	11A0003	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	625	D08, B	100	40.0	mg/L	10.0	01/05/11 11:10	KLD	11A0107	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	141	D08, B	1.00	0.56	mg/L	2.00	01/04/11 11:46	RMM	11A0030	300
Sulfate	192	D08	4.00	0.70	mg/L	2.00	01/05/11 09:15	RMM	11A0087	300
Sample ID: RTL1445-01RE1 (PRE-CARBON - Ground Water)					Sampled: 12/30/10 13:35			Recvd: 12/30/10 15:15		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Benzene	9400	D08	200	82	ug/L	200	01/03/11 13:59	LH	11A0009	8260B

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Work Order: RTL1445

Received: 12/30/10
 Reported: 01/10/11 08:47

Project: NYSDEC-Gastown WWTP: Site# 915171
 Project Number: NYSDEC

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL1445-02 (POST-CARBON - Ground Water)					Sampled: 12/30/10 13:15			Recvd: 12/30/10 15:15		
<u>Organochlorine Pesticides and PCBs by EPA Method 608</u>										
alpha-BHC [2C]	0.027	J	0.048	0.0063	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
<u>Total Metals by EPA 200 Series Methods</u>										
Iron	178		50	NR	ug/L	1.00	01/03/11 18:42	LMH	11A0003	200.7
Manganese	178		3.0	NR	ug/L	1.00	01/03/11 18:42	LMH	11A0003	200.7
<u>General Chemistry Parameters</u>										
Total Cyanide	0.345		0.0100	0.0050	mg/L	1.00	01/05/11 12:58	RJF	11A0046	335.4
pH	8.08		NR	0.00	SU	1.00	12/30/10 20:39	JME	10L2224	4500-H+ B
Total Dissolved Solids	931		10.0	NR	mg/L	1.00	01/03/11 20:30	JLN	11A0041	2540C

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Buffalo, NY 14203

Work Order: RTL1445

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 12/30/10
Reported: 01/10/11 08:47

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
PRE-CARBON	RTL1445-01	Ground Water	12/30/10 13:35	12/30/10 15:15	
POST-CARBON	RTL1445-02	Ground Water	12/30/10 13:15	12/30/10 15:15	

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Work Order: RTL1445

Received: 12/30/10
 Reported: 01/10/11 08:47

Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Sample ID: RTL1445-01 (PRE-CARBON - Ground Water)

Sampled: 12/30/10 13:35

Recvd: 12/30/10 15:15

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND	D08	80	66	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
1,1,2,2-Tetrachloroethane	ND	D08	80	17	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
1,1,2-Trichloroethane	ND	D08	80	18	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
1,1-Dichloroethane	ND	D08	80	31	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
1,1-Dichloroethene	ND	D08	80	23	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
1,2-Dichloroethane	ND	D08	80	17	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
1,2-Dichloroethene, Total	ND	D08	160	56	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
1,2-Dichloropropane	ND	D08	80	58	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
2-Butanone	ND	D08	400	110	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
2-Hexanone	ND	D08	400	99	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
4-Methyl-2-pentanone	ND	D08	400	170	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Acetone	ND	D08	400	240	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Bromodichloromethane	ND	D08	80	31	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Bromoform	ND	D08	80	21	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Bromomethane	ND	D08	80	55	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Carbon disulfide	ND	D08	80	16	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Carbon Tetrachloride	ND	D08	80	21	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Chlorobenzene	ND	D08	80	60	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Dibromochloromethane	ND	D08	80	26	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Chloroethane	ND	D08	80	26	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Chloroform	ND	D08	80	27	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Chloromethane	ND	D08	80	28	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
cis-1,3-Dichloropropene	ND	D08	80	28	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Ethylbenzene	590	D08	80	59	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Methylene Chloride	ND	D08	80	35	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Styrene	2000	D08	80	58	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Tetrachloroethene	ND	D08	80	29	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Toluene	5300	D08	80	41	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
trans-1,3-Dichloropropene	ND	D08	80	29	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Trichloroethene	ND	D08	80	37	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Vinyl acetate	ND	D08	400	68	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Vinyl chloride	ND	D08	80	72	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B
Xylenes, total	1600	D08	240	53	ug/L	80.0	12/31/10 00:05	NMD	10L2218	8260B

1,2-Dichloroethane-d4	108 %	D08	Surr Limits: (66-137%)				12/31/10 00:05	NMD	10L2218	8260B
4-Bromofluorobenzene	107 %	D08	Surr Limits: (73-120%)				12/31/10 00:05	NMD	10L2218	8260B
Toluene-d8	107 %	D08	Surr Limits: (71-126%)				12/31/10 00:05	NMD	10L2218	8260B

Volatile Organic Compounds by EPA Method 8021B

1,2,4-Trimethylbenzene	200	D08	40	6.9	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
1,3,5-Trimethylbenzene	120	D08	40	30	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
Benzene	9600	D08	40	4.7	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
Ethylbenzene	630	D08	40	5.7	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
Isopropylbenzene	62	D08	40	5.4	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
Methyl-t-Butyl Ether (MTBE)	ND	D08	80	8.7	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
m-Xylene & p-Xylene	1300	D08	80	11	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
n-Butylbenzene	73	D08,J	80	6.2	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
n-Propylbenzene	55	D08	40	26	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
o-Xylene	480	D08	40	5.4	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B

New York State D.E.C. - Buffalo, NY
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 Buffalo, NY 14203

Work Order: RTL1445

Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

Received: 12/30/10

Reported: 01/10/11 08:47

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL1445-01 (PRE-CARBON - Ground Water) - cont.						Sampled: 12/30/10 13:35		Recvd: 12/30/10 15:15		
<u>Volatile Organic Compounds by EPA Method 8021B - cont.</u>										
p-Cymene	67	D08,J	80	5.9	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
sec-Butylbenzene	ND	D08	80	4.1	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
Toluene	5100	D08	40	7.1	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
Xylenes, total	1800	D08	80	11	ug/L	200	01/04/11 12:47	DGB	11A0071	8021B
4-Bromofluorobenzene	107 %	D08	Surr Limits: (70-125%)				01/04/11 12:47	DGB	11A0071	8021B
a,a,a-Trifluorotoluene	106 %	D08	Surr Limits: (77-130%)				01/04/11 12:47	DGB	11A0071	8021B
<u>Total Metals by EPA 200 Series Methods</u>										
Calcium	143000		500	NR	ug/L	1.00	01/03/11 18:40	LMH	11A0003	200.7
Iron	599		50	NR	ug/L	1.00	01/03/11 18:40	LMH	11A0003	200.7
Magnesium	92900		200	NR	ug/L	1.00	01/03/11 18:40	LMH	11A0003	200.7
Potassium	4360		500	NR	ug/L	1.00	01/03/11 18:40	LMH	11A0003	200.7
Sodium	81100		1000	NR	ug/L	1.00	01/03/11 18:40	LMH	11A0003	200.7
<u>General Chemistry Parameters</u>										
Alkalinity, Total	625	D08, B	100	40.0	mg/L	10.0	01/05/11 11:10	KLD	11A0107	310.2
<u>Anions by EPA Method 300.0</u>										
Chloride	141	D08, B	1.00	0.56	mg/L	2.00	01/04/11 11:46	RMM	11A0030	300
Sulfate	192	D08	4.00	0.70	mg/L	2.00	01/05/11 09:15	RMM	11A0087	300

New York State D.E.C. - Buffalo, NY
 270 Michigan Avenue
 Buffalo, NY 14203

Work Order: RTL1445

Received: 12/30/10
 Reported: 01/10/11 08:47

Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL1445-01RE1 (PRE-CARBON - Ground Water)					Sampled: 12/30/10 13:35			Recvd: 12/30/10 15:15		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Benzene	9400	D08	200	82	ug/L	200	01/03/11 13:59	LH	11A0009	8260B
1,2-Dichloroethane-d4	103 %	D08	Surr Limits: (66-137%)				01/03/11 13:59	LH	11A0009	8260B
4-Bromofluorobenzene	104 %	D08	Surr Limits: (73-120%)				01/03/11 13:59	LH	11A0009	8260B
Toluene-d8	106 %	D08	Surr Limits: (71-126%)				01/03/11 13:59	LH	11A0009	8260B

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTL1445

Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

Received: 12/30/10

Reported: 01/10/11 08:47

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL1445-02 (POST-CARBON - Ground Water)						Sampled: 12/30/10 13:15		Recvd: 12/30/10 15:15		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		5.0	0.82	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
1,1,2,2-Tetrachloroethane	ND		5.0	0.21	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
1,1,2-Trichloroethane	ND		5.0	0.23	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
1,1-Dichloroethane	ND		5.0	0.38	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
1,1-Dichloroethene	ND		5.0	0.29	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
1,2-Dichloroethane	ND		5.0	0.21	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
1,2-Dichloroethene, Total	ND		10	0.70	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
1,2-Dichloropropane	ND		5.0	0.72	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
2-Butanone	ND		25	1.3	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
2-Hexanone	ND		25	1.2	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
4-Methyl-2-pentanone	ND		25	2.1	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Acetone	ND		25	3.0	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Benzene	ND		5.0	0.41	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Bromodichloromethane	ND		5.0	0.39	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Bromoform	ND		5.0	0.26	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Bromomethane	ND		5.0	0.69	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Carbon disulfide	ND		5.0	0.19	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Carbon Tetrachloride	ND		5.0	0.27	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Chlorobenzene	ND		5.0	0.75	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Dibromochloromethane	ND		5.0	0.32	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Chloroethane	ND		5.0	0.32	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Chloroform	ND		5.0	0.34	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Chloromethane	ND		5.0	0.35	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
cis-1,3-Dichloropropene	ND		5.0	0.36	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Ethylbenzene	ND		5.0	0.74	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Methylene Chloride	ND		5.0	0.44	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Styrene	ND		5.0	0.73	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Tetrachloroethene	ND		5.0	0.36	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Toluene	ND		5.0	0.51	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
trans-1,3-Dichloropropene	ND		5.0	0.37	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Trichloroethene	ND		5.0	0.46	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Vinyl acetate	ND		25	0.85	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Vinyl chloride	ND		5.0	0.90	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
Xylenes, total	ND		15	0.66	ug/L	1.00	12/31/10 00:29	NMD	10L2218	8260B
1,2-Dichloroethane-d4	109 %		Surr Limits: (66-137%)				12/31/10 00:29	NMD	10L2218	8260B
4-Bromofluorobenzene	106 %		Surr Limits: (73-120%)				12/31/10 00:29	NMD	10L2218	8260B
Toluene-d8	106 %		Surr Limits: (71-126%)				12/31/10 00:29	NMD	10L2218	8260B

Volatile Organic Compounds by EPA Method 8021B

1,2,4-Trimethylbenzene	ND	0.20	0.035	ug/L	1.00	01/04/11 12:10	DGB	11A0071	8021B
1,3,5-Trimethylbenzene	ND	0.20	0.15	ug/L	1.00	01/04/11 12:10	DGB	11A0071	8021B
Benzene	ND	0.20	0.023	ug/L	1.00	01/04/11 12:10	DGB	11A0071	8021B
Ethylbenzene	ND	0.20	0.029	ug/L	1.00	01/04/11 12:10	DGB	11A0071	8021B
Isopropylbenzene	ND	0.20	0.027	ug/L	1.00	01/04/11 12:10	DGB	11A0071	8021B
Methyl-t-Butyl Ether (MTBE)	ND	0.40	0.044	ug/L	1.00	01/04/11 12:10	DGB	11A0071	8021B
m-Xylene & p-Xylene	ND	0.40	0.054	ug/L	1.00	01/04/11 12:10	DGB	11A0071	8021B
n-Butylbenzene	ND	0.40	0.031	ug/L	1.00	01/04/11 12:10	DGB	11A0071	8021B
n-Propylbenzene	ND	0.20	0.13	ug/L	1.00	01/04/11 12:10	DGB	11A0071	8021B
o-Xylene	ND	0.20	0.027	ug/L	1.00	01/04/11 12:10	DGB	11A0071	8021B

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
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Work Order: RTL1445

Project: NYSDEC-Gastown WWTP: Site# 915171

Project Number: NYSDEC

Received: 12/30/10

Reported: 01/10/11 08:47

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL1445-02 (POST-CARBON - Ground Water) - cont.						Sampled: 12/30/10 13:15		Recvd: 12/30/10 15:15		
<u>Volatile Organic Compounds by EPA Method 8021B - cont.</u>										
p-Cymene	ND		0.40	0.030	ug/L	1.00	01/04/11 12:10	DGB	11A0071	8021B
sec-Butylbenzene	ND		0.40	0.020	ug/L	1.00	01/04/11 12:10	DGB	11A0071	8021B
Toluene	ND		0.20	0.036	ug/L	1.00	01/04/11 12:10	DGB	11A0071	8021B
Xylenes, total	ND		0.40	0.054	ug/L	1.00	01/04/11 12:10	DGB	11A0071	8021B
4-Bromofluorobenzene	106 %		Surr Limits: (70-125%)				01/04/11 12:10	DGB	11A0071	8021B
a,a,a-Trifluorotoluene	107 %		Surr Limits: (77-130%)				01/04/11 12:10	DGB	11A0071	8021B
<u>Semivolatile Organics by GC/MS</u>										
2-Methylnaphthalene	ND		10	0.57	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Acenaphthene	ND		10	0.39	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Acenaphthylene	ND		10	0.36	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Anthracene	ND		10	0.27	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Benzo(a)anthracene	ND		10	0.34	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Benzo(a)pyrene	ND		10	0.45	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Benzo(b)fluoranthene	ND		10	0.32	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Benzo(ghi)perylene	ND		10	0.33	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Benzo(k)fluoranthene	ND		10	0.70	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Biphenyl	ND		10	0.62	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Bis(2-ethylhexyl) phthalate	ND		10	1.7	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Carbazole	ND		10	0.29	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Chrysene	ND		10	0.31	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Dibenzo(a,h)anthracene	ND		10	0.40	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Dibenzofuran	ND		10	0.49	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Fluoranthene	ND		10	0.38	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Fluorene	ND		10	0.34	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Indeno(1,2,3-cd)pyrene	ND		10	0.45	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Naphthalene	ND		10	0.72	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Pentachlorophenol	ND		50	2.1	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Phenanthrene	ND		10	0.42	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Phenol	ND		50	0.37	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
Pyrene	ND		10	0.32	ug/L	1.00	01/04/11 02:32	JLG	10L2216	8270C
2,4,6-Tribromophenol	126 %		Surr Limits: (52-132%)				01/04/11 02:32	JLG	10L2216	8270C
2-Fluorobiphenyl	101 %		Surr Limits: (48-120%)				01/04/11 02:32	JLG	10L2216	8270C
2-Fluorophenol	51 %		Surr Limits: (20-120%)				01/04/11 02:32	JLG	10L2216	8270C
Nitrobenzene-d5	101 %		Surr Limits: (46-120%)				01/04/11 02:32	JLG	10L2216	8270C
Phenol-d5	36 %		Surr Limits: (16-120%)				01/04/11 02:32	JLG	10L2216	8270C
p-Terphenyl-d14	122 %		Surr Limits: (24-136%)				01/04/11 02:32	JLG	10L2216	8270C
<u>Organochlorine Pesticides and PCBs by EPA Method 608</u>										
4,4'-DDD [2C]	ND	C	0.048	0.0088	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
4,4'-DDE [2C]	ND	C	0.048	0.011	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
4,4'-DDT [2C]	ND		0.048	0.010	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
Aldrin [2C]	ND	C	0.048	0.0063	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
alpha-BHC [2C]	0.027	J	0.048	0.0063	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
beta-BHC [2C]	ND	C	0.048	0.024	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
Chlordane [2C]	ND		0.48	0.028	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
delta-BHC [2C]	ND		0.048	0.0096	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
Dieldrin [2C]	ND		0.048	0.0093	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
Endosulfan I [2C]	ND	C	0.048	0.010	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608

New York State D.E.C. - Buffalo, NY
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Work Order: RTL1445

Project: NYSDEC-Gastown WWTP: Site# 915171

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Received: 12/30/10

Reported: 01/10/11 08:47

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTL1445-02 (POST-CARBON - Ground Water) - cont.						Sampled: 12/30/10 13:15		Recvd: 12/30/10 15:15		
<u>Organochlorine Pesticides and PCBs by EPA Method 608 - cont.</u>										
Endosulfan II [2C]	ND		0.048	0.011	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
Endosulfan sulfate [2C]	ND		0.048	0.015	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
Endrin [2C]	ND		0.048	0.013	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
Endrin aldehyde [2C]	ND	C	0.048	0.016	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
gamma-BHC (Lindane) [2C]	ND		0.048	0.0057	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
Heptachlor [2C]	ND		0.048	0.0081	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
Heptachlor epoxide [2C]	ND	C	0.048	0.0050	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
Toxaphene [2C]	ND		0.48	0.11	ug/L	1.00	01/04/11 12:21	LMW	10L2215	608
<i>Decachlorobiphenyl [2C]</i>	92 %		<i>Surr Limits: (15-139%)</i>				01/04/11 12:21	LMW	10L2215	608
<i>Tetrachloro-m-xylene [2C]</i>	94 %		<i>Surr Limits: (30-139%)</i>				01/04/11 12:21	LMW	10L2215	608
<u>Total Metals by EPA 200 Series Methods</u>										
Arsenic	ND		0.0100	NR	mg/L	1.00	01/03/11 18:42	LMH	11A0003	200.7
Iron	178		50	NR	ug/L	1.00	01/03/11 18:42	LMH	11A0003	200.7
Manganese	178		3.0	NR	ug/L	1.00	01/03/11 18:42	LMH	11A0003	200.7
Zinc	ND		0.0100	NR	mg/L	1.00	01/03/11 18:42	LMH	11A0003	200.7
<u>General Chemistry Parameters</u>										
Oil & Grease	ND		5.1	1.4	mg/L	1.00	01/03/11 22:06	JFR	11A0050	1664A
Biochemical Oxygen Demand	ND	L	2.0	2.0	mg/L	1.00	12/30/10 15:48	AMP	10L2221	5210B
Total Cyanide	0.345		0.0100	0.0050	mg/L	1.00	01/05/11 12:58	RJF	11A0046	335.4
pH	8.08		NA	0.00	SU	1.00	12/30/10 20:39	JME	10L2224	4500-H+ B
Total Recoverable Phenolics	ND		0.0050	0.0050	mg/L	1.00	01/04/11 15:06	KLD	11A0066	420.4
Total Dissolved Solids	931		10.0	NR	mg/L	1.00	01/03/11 20:30	JLN	11A0041	2540C
Total Suspended Solids	ND		4.0	4.0	mg/L	1.00	01/03/11 15:18	LRM	11A0042	2540D

New York State D.E.C. - Buffalo, NY
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Work Order: RTL1445

Project: NYSDEC-Gastown WWTP: Site# 915171
Project Number: NYSDEC

Received: 12/30/10
Reported: 01/10/11 08:47

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Anions by EPA Method 300.0									
300	11A0030	RTL1445-01	5.00	mL	5.00	mL	01/03/11 13:43	RMM	Direct Injection - Anions
300	11A0087	RTL1445-01	5.00	mL	5.00	mL	01/04/11 16:57	RMM	Direct Injection - Anions
General Chemistry Parameters									
1664A	11A0050	RTL1445-02	980.00	mL	1,000.00	mL	01/03/11 22:06	JFR	Oil and Grease
2540C	11A0041	RTL1445-02	100.00	mL	100.00	mL	01/03/11 20:30	JLN	No prep solids
2540D	11A0042	RTL1445-02	250.00	mL	250.00	mL	01/03/11 15:18	JLN	No prep solids
310.2	11A0107	RTL1445-01	2.00	mL	2.00	mL	01/05/11 11:10	KLD	No Prep Alkalinity
335.4	11A0046	RTL1445-02	50.00	mL	50.00	mL	01/03/11 19:12	JFR	Cn Digestion
420.4	11A0066	RTL1445-02	50.00	mL	50.00	mL	01/04/11 10:49	AMP	TRP Distillation
4500-H+ B	10L2224	RTL1445-02	1.00	mL	1.00	mL	12/30/10 20:39	JFR	pH
5210B	10L2221	RTL1445-02	300.00	mL	300.00	mL	12/30/10 15:48	JFR	Biochemical Oxygen Demand
Organochlorine Pesticides and PCBs by EPA Method 608									
608	10L2215	RTL1445-02	1,050.00	mL	10.00	mL	01/03/11 10:45	JXB	3510C GC
Semivolatile Organics by GC/MS									
8270C	10L2216	RTL1445-02	1,050.00	mL	1.00	mL	01/03/11 09:30	SMS	3510C MB
Total Metals by EPA 200 Series Methods									
200.7	11A0003	RTL1445-01	50.00	mL	50.00	mL	01/03/11 08:45	MDM	3005A
200.7	11A0003	RTL1445-02	50.00	mL	50.00	mL	01/03/11 08:45	MDM	3005A
Volatile Organic Compounds by EPA 8260B									
8260B	11A0009	RTL1445-01RE1	5.00	mL	5.00	mL	01/03/11 09:48	LCH	5030B MS
8260B	10L2218	RTL1445-01	5.00	mL	5.00	mL	12/30/10 18:42	NMD	5030B MS
8260B	10L2218	RTL1445-02	5.00	mL	5.00	mL	12/30/10 18:42	NMD	5030B MS
Volatile Organic Compounds by EPA Method 8021B									
8021B	11A0071	RTL1445-01	1.00	mL	1.00	mL	01/04/11 09:15	DGB	5030B GC
8021B	11A0071	RTL1445-02	1.00	mL	1.00	mL	01/04/11 09:15	DGB	5030B GC

Chain of Custody Record

Client Information		Sampler: TPalmu / GES	Lab PM: Brian Fischer	Carrier Tracking No(s):	COG No: 12172010 15:05 1																										
Client Contact: Glenn May		Phone:	E-Mail: Brian.Fischer@testamericainc.com		Page: 1																										
Company: New York State D.E.C. - Buffalo, NY		Parameter(s) Requested			Job #:																										
Address: 270 Michigan Avenue		Final Filtered Sample (Yes or No) <input type="checkbox"/> Permeation, MS/MSD (Yes or No) <input type="checkbox"/> BOD <input type="checkbox"/> PH <input type="checkbox"/> Alk <input type="checkbox"/> COD/Pest <input type="checkbox"/> SVOA <input type="checkbox"/> Phenols <input type="checkbox"/> T-Metals <input type="checkbox"/> CN <input type="checkbox"/> HEM <input type="checkbox"/> TDS <input type="checkbox"/> TSS <input type="checkbox"/> Cl:-SO4 <input type="checkbox"/> 8021Voa <input type="checkbox"/> Vork <input type="checkbox"/>			Preparation Codes: A=HCL Z=Z B=AgOH C=Zn Acetate D=Minc Acid H=Hex N=None S=H2SO4 V-MCAA Container Codes: A=Amber T=Teflon G=Glass V=Vial P=Poly/Plastic S=Summa																										
City: Buffalo								Due Date Requested:																							
State, Zip: NY, 14203								TAT Requested (Business Days) 10																							
Phone: (716) 851-7220								PO #: 116986																							
Email:		W/O #: RTL1130	Special Instructions/Note:																												
Project Name: NYSDEC-Gastown WWTP(Qtrly). Site# 915171		Project #: NYSDEC-Gastown WWTP: Site# 915171																													
Site: NYSDEC - REGION B REMEDIATION/SPILLS CONTRACT - NY		SSOW#:																													
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Soil, Dredge, etc.)	Preserv-Cont Code:																										
PRE-CARBON	12-30-10	1335	G	W	X	X	I-P	I-P	Z-P	I-A	I-A	S-G	D-P	B-P	S-G	I-P	I-P	I-P	A-V	X											
POST-CARBON	12-30-10	1315	G	W			1	1		2	2	1	1	1	2	1	1	3	16												
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																									
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																									
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:																									
Empty Kit Relinquished by: <i>[Signature]</i>		Date: 12-30-10 / 1515		Time: 1515		Method of Shipment:																									
Relinquished by: <i>[Signature]</i>		Date/Time: 12-30-10 / 1515		Company: GES		Received by: <i>[Signature]</i>		Date/Time: 12-30-10 1515		Company: Beck																					
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:																					
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:																					
Custody Seals Intact Δ Yes Δ No		Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks:		5.9°C																							