FORMER GASTOWN MGP SITE
SITE NO. 915171

2007 LAB REPORTS
FOR THE GROUNDWATER COLLECTION & TREATMENT SYSTEM

The lab report is missing for February 2007.

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ANALYTICAL REPORT

Job#: A07-0989

STL Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT
Task: NYSDEC Spills - Gastown WWTP

Mr. Glenn May
NYSDEC - Region 9
270 Michigan Ave
Buffalo, NY 14203

CC: Mr. Charles B. Guzzetta

STL Buffalo

Brian J. Fischer
Project Manager

02/12/2007

STL Buffalo
Current Certifications

As of 9/28/2006

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, 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	NY044
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	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA,ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA,RCRA	68-00281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7098901	POST-CARBON	GW	01/31/2007	10:30	01/31/2007	12:25
A7098902	PRE-CARBON	GW	01/31/2007	10:25	01/31/2007	12:25

METHODS SUMMARY

Job#: A07-0989

STL Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

PARAMETER	ANALYTICAL METHOD
NYSDEC - SW8463 8260/5 ML	SW8463 8260
METHOD 8021 - VOLATILE ORGANICS - STARS	SW8463 8021
NYSDEC - METHOD 8270 Gastown	SW8463 8270
GASTOWN - METHOD 608 - P.P. PESTICIDES	CFR136 608PEST
Arsenic - Total	MCAWW 200.7
Calcium - Total	MCAWW 200.7
Iron - Total	MCAWW 200.7
Magnesium - Total	MCAWW 200.7
Manganese - Total	MCAWW 200.7
Potassium - Total	MCAWW 200.7
Sodium - Total	MCAWW 200.7
Zinc - Total	MCAWW 200.7
Biochemical Oxygen Demand	MCAWW 405.1
Chloride	MCAWW 300.0
Cyanide - Total	MCAWW 335.2
Oil & Grease	MCAWW 1664
pH	MCAWW 150.1
Sulfate	MCAWW 300.0
Total Alkalinity	MCAWW 310.2
Total Dissolved Solids	MCAWW 160.1
Total Recoverable Phenolics	MCAWW 420.2
Total Suspended Solids	MCAWW 160.2

References:

CFR136 Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, and Appendix A-C; 40 CFR Part 136, USEPA Office of Water.

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A07-0989

STL Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

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. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A07-0989
Sample Cooler(s) were received at the following temperature(s); 4.2 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Volatile Data

For method 8021, the relative percent difference between the Matrix Spike and the Matrix Spike duplicate exceed quality control limits for Benzene, though all individual analyte recoveries are compliant.

GC/MS Semivolatile Data

The analyte Indene was searched for as a Tentatively Indentified Compound and not found.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"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 above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Brian J. Fischer
Project Manager

2-12-07
Date

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
POST-CARBON	A7098901	Cyanide - Total	2.00	008
PRE-CARBON	A7098902	8021	200.00	008
PRE-CARBON	A7098902	8260	10.00	008
PRE-CARBON	A7098902	Chloride	5.00	008
PRE-CARBON	A7098902	Sulfate	5.00	008
PRE-CARBON	A7098902	Total Alkalinity	7.00	008
PRE-CARBON	A7098902DL	8260	100.00	008
PRE-CARBON	A7098902MS	8021	200.00	008
PRE-CARBON	A7098902MS	8260	100.00	008
PRE-CARBON	A7098902SD	8021	200.00	008
PRE-CARBON	A7098902SD	8260	100.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

Date: 02/12/2007 Requested Detection Limits < STL's PQL Page: 1
Time: 09:22:21 Rept: AN1520

The requested project specific reporting limits listed below were less than STL's standard quantitation limits. It must be noted that results reported below STL's standard quantitation limit (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.

Method	Parameter	Unit	Client DL	STL PQL
420.2	Total Recoverable Phenolics	MG/L	0.0050	0.010

SEVERN TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: POST-CARBON
Lab Sample ID: A7098901
Date Collected: 01/31/2007
Time Collected: 10:30

Date Received: 01/31/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		5	UG/L	8260	02/01/2007 12:18	JMB
1,1,2,2-Tetrachloroethane	ND		5	UG/L	8260	02/01/2007 12:18	JMB
1,1,2-Trichloroethane	ND		5	UG/L	8260	02/01/2007 12:18	JMB
1,1-Dichloroethane	ND		5	UG/L	8260	02/01/2007 12:18	JMB
1,1-Dichloroethene	ND		5	UG/L	8260	02/01/2007 12:18	JMB
1,2-Dichloroethane	ND		5	UG/L	8260	02/01/2007 12:18	JMB
1,2-Dichloroethene (Total)	ND		10	UG/L	8260	02/01/2007 12:18	JMB
1,2-Dichloropropane	ND		5	UG/L	8260	02/01/2007 12:18	JMB
2-Butanone	ND		25	UG/L	8260	02/01/2007 12:18	JMB
2-Hexanone	ND		25	UG/L	8260	02/01/2007 12:18	JMB
4-Methyl-2-pentanone	ND		25	UG/L	8260	02/01/2007 12:18	JMB
Acetone	ND		25	UG/L	8260	02/01/2007 12:18	JMB
Benzene	1	J	5	UG/L	8260	02/01/2007 12:18	JMB
Bromodichloromethane	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Bromoform	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Bromomethane	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Carbon Disulfide	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Carbon Tetrachloride	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Chlorobenzene	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Chloroethane	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Chloroform	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Chloromethane	ND		5	UG/L	8260	02/01/2007 12:18	JMB
cis-1,3-Dichloropropene	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Dibromochloromethane	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Ethylbenzene	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Methylene chloride	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Styrene	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Tetrachloroethene	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Toluene	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Total Xylenes	ND		15	UG/L	8260	02/01/2007 12:18	JMB
trans-1,3-Dichloropropene	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Trichloroethene	ND		5	UG/L	8260	02/01/2007 12:18	JMB
Vinyl acetate	ND		25	UG/L	8260	02/01/2007 12:18	JMB
Vinyl chloride	3	J	5	UG/L	8260	02/01/2007 12:18	JMB
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	ND		0.20	UG/L	8021	02/05/2007 14:31	LMW
1,3,5-Trimethylbenzene	ND		0.20	UG/L	8021	02/05/2007 14:31	LMW
Benzene	1.1		0.20	UG/L	8021	02/05/2007 14:31	LMW
Ethylbenzene	ND		0.20	UG/L	8021	02/05/2007 14:31	LMW
Isopropylbenzene	ND		0.20	UG/L	8021	02/05/2007 14:31	LMW
m-Xylene	ND		0.40	UG/L	8021	02/05/2007 14:31	LMW
Methyl-t-Butyl Ether (MTBE)	1.0		0.40	UG/L	8021	02/05/2007 14:31	LMW
n-Butylbenzene	ND		0.40	UG/L	8021	02/05/2007 14:31	LMW
n-Propylbenzene	ND		0.20	UG/L	8021	02/05/2007 14:31	LMW
o-Xylene	ND		0.20	UG/L	8021	02/05/2007 14:31	LMW
p-Cymene	ND		0.40	UG/L	8021	02/05/2007 14:31	LMW
p-Xylene	ND		0.40	UG/L	8021	02/05/2007 14:31	LMW
sec-Butylbenzene	ND		0.40	UG/L	8021	02/05/2007 14:31	LMW

Sample ID: POST-CARBON
Lab Sample ID: A7098901
Date Collected: 01/31/2007
Time Collected: 10:30

Date Received: 01/31/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
Toluene	ND		0.20	UG/L	8021	02/05/2007 14:31	LMW
Total Xylenes	ND		0.60	UG/L	8021	02/05/2007 14:31	LMW
NYSDEC - GASTOWN WWTP LIST/8270 - W							
2-Methylnaphthalene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Acenaphthene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Acenaphthylene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Anthracene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Benzo(a)anthracene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Benzo(a)pyrene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Benzo(b)fluoranthene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Benzo(ghi)perylene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Benzo(k)fluoranthene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Biphenyl	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Bis(2-ethylhexyl) phthalate	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Carbazole	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Chrysene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Dibenzo(a,h)anthracene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Dibenzofuran	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Fluoranthene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Fluorene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Indene (TIC)	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Indeno(1,2,3-cd)pyrene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Naphthalene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Pentachlorophenol	ND		47	UG/L	8270	02/07/2007 20:11	MD
Phenanthrene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
Phenol	ND		47	UG/L	8270	02/07/2007 20:11	MD
Pyrene	ND		9.4	UG/L	8270	02/07/2007 20:11	MD
GASTOWN - AQUEOUS-CFR136 608 - P.P. PESTICIDE							
4,4'-DDD	ND		0.0051	UG/L	608PEST	02/08/2007 17:38	TCH
4,4'-DDE	ND		0.0051	UG/L	608PEST	02/08/2007 17:38	TCH
4,4'-DDT	ND		0.0051	UG/L	608PEST	02/08/2007 17:38	TCH
Aldrin	ND		0.0051	UG/L	608PEST	02/08/2007 17:38	TCH
alpha-BHC	ND		0.0051	UG/L	608PEST	02/08/2007 17:38	TCH
beta-BHC	ND		0.0051	UG/L	608PEST	02/08/2007 17:38	TCH
Chlordane	ND		0.051	UG/L	608PEST	02/08/2007 17:38	TCH
delta-BHC	0.0028	BJ	0.0051	UG/L	608PEST	02/08/2007 17:38	TCH
Dieldrin	0.0015	BJ	0.0051	UG/L	608PEST	02/08/2007 17:38	TCH
Endosulfan I	ND		0.0051	UG/L	608PEST	02/08/2007 17:38	TCH
Endosulfan II	ND		0.0051	UG/L	608PEST	02/08/2007 17:38	TCH
Endosulfan Sulfate	ND		0.0051	UG/L	608PEST	02/08/2007 17:38	TCH
Endrin	ND		0.0051	UG/L	608PEST	02/08/2007 17:38	TCH
Endrin aldehyde	ND		0.0051	UG/L	608PEST	02/08/2007 17:38	TCH
gamma-BHC (Lindane)	ND		0.0051	UG/L	608PEST	02/08/2007 17:38	TCH
Heptachlor	0.0019	BJ	0.0051	UG/L	608PEST	02/08/2007 17:38	TCH
Heptachlor epoxide	ND		0.0051	UG/L	608PEST	02/08/2007 17:38	TCH
Toxaphene	ND		0.10	UG/L	608PEST	02/08/2007 17:38	TCH

Sample ID: POST-CARBON
Lab Sample ID: A7098901
Date Collected: 01/31/2007
Time Collected: 10:30

Date Received: 01/31/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Arsenic - Total	ND		10	UG/L	200.7	02/01/2007 21:54	TWS
Iron - Total	165		50.0	UG/L	200.7	02/01/2007 21:54	TWS
Manganese - Total	318		3.0	UG/L	200.7	02/01/2007 21:54	TWS
Zinc - Total	25.4		10	UG/L	200.7	02/01/2007 21:54	TWS
Wet Chemistry Analysis							
Biochemical Oxygen Demand	ND		2.0	MG/L	405.1	01/31/2007 15:00	AEG
Cyanide - Total	0.49		0.020	MG/L	335.2	02/01/2007 09:50	LRM
Oil & Grease	ND		5.0	MG/L	1664	02/02/2007 09:30	RMM
pH	7.6		0.50	S.U.	150.1	01/31/2007 17:25	SM
Total Dissolved Solids	1030		10	MG/L	160.1	02/01/2007 15:10	KD
Total Recoverable Phenolics	ND		0.0050	MG/L	420.2	02/04/2007 10:12	RLG
Total Suspended Solids	ND		4.0	MG/L	160.2	02/01/2007 17:30	SM

Sample ID: PRE-CARBON
Lab Sample ID: A7098902
Date Collected: 01/31/2007
Time Collected: 10:25

Date Received: 01/31/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		50	UG/L	8260	02/02/2007 12:44	JMB
1,1,2,2-Tetrachloroethane	ND		50	UG/L	8260	02/02/2007 12:44	JMB
1,1,2-Trichloroethane	ND		50	UG/L	8260	02/02/2007 12:44	JMB
1,1-Dichloroethane	ND		50	UG/L	8260	02/02/2007 12:44	JMB
1,1-Dichloroethene	ND		50	UG/L	8260	02/02/2007 12:44	JMB
1,2-Dichloroethane	ND		50	UG/L	8260	02/02/2007 12:44	JMB
1,2-Dichloroethene (Total)	ND		100	UG/L	8260	02/02/2007 12:44	JMB
1,2-Dichloropropane	ND		50	UG/L	8260	02/02/2007 12:44	JMB
2-Butanone	ND		250	UG/L	8260	02/02/2007 12:44	JMB
2-Hexanone	ND		250	UG/L	8260	02/02/2007 12:44	JMB
4-Methyl-2-pentanone	ND		250	UG/L	8260	02/02/2007 12:44	JMB
Acetone	ND		250	UG/L	8260	02/02/2007 12:44	JMB
Benzene	4600	E	50	UG/L	8260	02/02/2007 12:44	JMB
Bromodichloromethane	ND		50	UG/L	8260	02/02/2007 12:44	JMB
Bromoform	ND		50	UG/L	8260	02/02/2007 12:44	JMB
Bromomethane	ND		50	UG/L	8260	02/02/2007 12:44	JMB
Carbon Disulfide	ND		50	UG/L	8260	02/02/2007 12:44	JMB
Carbon Tetrachloride	ND		50	UG/L	8260	02/02/2007 12:44	JMB
Chlorobenzene	ND		50	UG/L	8260	02/02/2007 12:44	JMB
Chloroethane	ND		50	UG/L	8260	02/02/2007 12:44	JMB
Chloroform	ND		50	UG/L	8260	02/02/2007 12:44	JMB
Chloromethane	ND		50	UG/L	8260	02/02/2007 12:44	JMB
cis-1,3-Dichloropropene	ND		50	UG/L	8260	02/02/2007 12:44	JMB
Dibromochloromethane	ND		50	UG/L	8260	02/02/2007 12:44	JMB
Ethylbenzene	270		50	UG/L	8260	02/02/2007 12:44	JMB
Methylene chloride	9	J	50	UG/L	8260	02/02/2007 12:44	JMB
Styrene	160		50	UG/L	8260	02/02/2007 12:44	JMB
Tetrachloroethene	ND		50	UG/L	8260	02/02/2007 12:44	JMB
Toluene	860		50	UG/L	8260	02/02/2007 12:44	JMB
Total Xylenes	240		150	UG/L	8260	02/02/2007 12:44	JMB
trans-1,3-Dichloropropene	ND		50	UG/L	8260	02/02/2007 12:44	JMB
Trichloroethene	ND		50	UG/L	8260	02/02/2007 12:44	JMB
Vinyl acetate	ND		250	UG/L	8260	02/02/2007 12:44	JMB
Vinyl chloride	ND		50	UG/L	8260	02/02/2007 12:44	JMB
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	ND		6.9	UG/L	8021	02/05/2007 15:04	LMW
1,3,5-Trimethylbenzene	ND		5.9	UG/L	8021	02/05/2007 15:04	LMW
Benzene	5000		4.7	UG/L	8021	02/05/2007 15:04	LMW
Ethylbenzene	260		5.7	UG/L	8021	02/05/2007 15:04	LMW
Isopropylbenzene	ND		5.4	UG/L	8021	02/05/2007 15:04	LMW
m-Xylene	180	1	11	UG/L	8021	02/05/2007 15:04	LMW
Methyl-t-Butyl Ether (MTBE)	ND		8.7	UG/L	8021	02/05/2007 15:04	LMW
n-Butylbenzene	ND		6.2	UG/L	8021	02/05/2007 15:04	LMW
n-Propylbenzene	ND		5.7	UG/L	8021	02/05/2007 15:04	LMW
o-Xylene	100		5.4	UG/L	8021	02/05/2007 15:04	LMW
p-Cymene	ND		5.9	UG/L	8021	02/05/2007 15:04	LMW
p-Xylene	ND	1	11	UG/L	8021	02/05/2007 15:04	LMW
sec-Butylbenzene	ND		4.1	UG/L	8021	02/05/2007 15:04	LMW

Sample ID: PRE-CARBON
Lab Sample ID: A7098902
Date Collected: 01/31/2007
Time Collected: 10:25

Date Received: 01/31/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
Toluene	870		7.1	UG/L	8021	02/05/2007 15:04	LMW
Total Xylenes	280		16	UG/L	8021	02/05/2007 15:04	LMW
Metals Analysis							
Calcium - Total	169000		500	UG/L	200.7	02/01/2007 21:59	TWS
Iron - Total	1460		50.0	UG/L	200.7	02/01/2007 21:59	TWS
Magnesium - Total	79900		200	UG/L	200.7	02/01/2007 21:59	TWS
Potassium - Total	4780		500	UG/L	200.7	02/01/2007 21:59	TWS
Sodium - Total	75500		1000	UG/L	200.7	02/01/2007 21:59	TWS
Wet Chemistry Analysis							
Chloride	164		2.5	MG/L	300.0	02/01/2007 16:51	AEG
Sulfate	225		10	MG/L	300.0	02/01/2007 16:51	AEG
Total Alkalinity	549		70.0	MG/L	310.2	02/02/2007 15:14	RLG

Sample ID: PRE-CARBON
Lab Sample ID: A7098902DL
Date Collected: 01/31/2007
Time Collected: 10:25

Date Received: 01/31/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		500	UG/L	8260	02/03/2007 14:42	TLC
1,1,2,2-Tetrachloroethane	ND		500	UG/L	8260	02/03/2007 14:42	TLC
1,1,2-Trichloroethane	ND		500	UG/L	8260	02/03/2007 14:42	TLC
1,1-Dichloroethane	ND		500	UG/L	8260	02/03/2007 14:42	TLC
1,1-Dichloroethene	ND		500	UG/L	8260	02/03/2007 14:42	TLC
1,2-Dichloroethane	ND		500	UG/L	8260	02/03/2007 14:42	TLC
1,2-Dichloroethene (Total)	ND		1000	UG/L	8260	02/03/2007 14:42	TLC
1,2-Dichloropropane	ND		500	UG/L	8260	02/03/2007 14:42	TLC
2-Butanone	ND		2500	UG/L	8260	02/03/2007 14:42	TLC
2-Hexanone	ND		2500	UG/L	8260	02/03/2007 14:42	TLC
4-Methyl-2-pentanone	ND		2500	UG/L	8260	02/03/2007 14:42	TLC
Acetone	ND		2500	UG/L	8260	02/03/2007 14:42	TLC
Benzene	5400	D	500	UG/L	8260	02/03/2007 14:42	TLC
Bromodichloromethane	ND		500	UG/L	8260	02/03/2007 14:42	TLC
Bromoform	ND		500	UG/L	8260	02/03/2007 14:42	TLC
Bromomethane	ND		500	UG/L	8260	02/03/2007 14:42	TLC
Carbon Disulfide	ND		500	UG/L	8260	02/03/2007 14:42	TLC
Carbon Tetrachloride	ND		500	UG/L	8260	02/03/2007 14:42	TLC
Chlorobenzene	ND		500	UG/L	8260	02/03/2007 14:42	TLC
Chloroethane	ND		500	UG/L	8260	02/03/2007 14:42	TLC
Chloroform	ND		500	UG/L	8260	02/03/2007 14:42	TLC
Chloromethane	ND		500	UG/L	8260	02/03/2007 14:42	TLC
cis-1,3-Dichloropropene	ND		500	UG/L	8260	02/03/2007 14:42	TLC
Dibromochloromethane	ND		500	UG/L	8260	02/03/2007 14:42	TLC
Ethylbenzene	280	DJ	500	UG/L	8260	02/03/2007 14:42	TLC
Methylene chloride	ND		500	UG/L	8260	02/03/2007 14:42	TLC
Styrene	140	DJ	500	UG/L	8260	02/03/2007 14:42	TLC
Tetrachloroethene	ND		500	UG/L	8260	02/03/2007 14:42	TLC
Toluene	930	D	500	UG/L	8260	02/03/2007 14:42	TLC
Total Xylenes	240	DJ	1500	UG/L	8260	02/03/2007 14:42	TLC
trans-1,3-Dichloropropene	ND		500	UG/L	8260	02/03/2007 14:42	TLC
Trichloroethene	ND		500	UG/L	8260	02/03/2007 14:42	TLC
Vinyl acetate	ND		2500	UG/L	8260	02/03/2007 14:42	TLC
Vinyl chloride	ND		500	UG/L	8260	02/03/2007 14:42	TLC

Chain of Custody Record

SEVERN TRENT STL

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ART KOSKE		1-31-07	324349
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	Page 1 of 2
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
NYSDEC - GASTOWN			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	T. METALS	T FE	CL	SO4	TCL VOAS	GAS VOAS	TALK	8270 GAS	PP PEST	HCM	BOD	
PRE CARBON	1-31-07	10:25		X					1				X	X										
PRE CARBON	1-31-07	10:25		X			1								X	X								
PRE CARBON	1-31-07	10:25		X						8							X	X						
PRE CARBON	1-31-07	10:25		X			1												X					
POST CARBON	1-31-07	10:30		X					1				X	X										
POST CARBON	1-31-07	10:30		X			1															X		
POST CARBON	1-31-07	10:30		X						8							X	X						
POST CARBON	1-31-07	10:30		X			2													X				
POST CARBON	1-31-07	10:30		X			1														X			
POST CARBON	1-31-07	10:30		X				1														X		
~~POST CARBON~~	~~1-31-07~~	~~10:30~~		~~X~~																				

Special Instructions/ Conditions of Receipt

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)

	Date	Time		Date	Time
1. Relinquished By	1-31-07	12:25	1. Received By	1-31-07	12:25
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

4.2°C

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

16/17

Chain of Custody Record

SEVERN TRENT STL

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ART KOSKE		1-31-07	324348
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
NYS DEC - GASTOWN			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: TDS	TS Solids	PH	T CN	T Phenols	Special Instructions/ Conditions of Receipt
POST CARBON	1-31-07	10:30		X							1					X		
POST CARBON	1-31-07	10:30		X			1						X	X	X			
POST CARBON	1-31-07	10:30		X				1									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)

	Date	Time		Date	Time
1. Relinquished By	1-31-07	12:25	1. Received By	1-31-07	12:25
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

4.2°C

Comments

17/17

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A07-2001,A07-2208

STL Project#: NY5A946109
SDG#: 2001
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT
Task: NYSDEC Spills - Gastown WWTP

Mr. Glenn May
NYSDEC - Region 9
270 Michigan Ave
Buffalo, NY 14203

CC: Mr. Charles B. Guzzetta

STL Buffalo

Brian J. Fischer
Project Manager

03/19/2007

STL Buffalo
Current Certifications

As of 9/28/2006

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, 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	NY044
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	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA,ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA,RCRA	68-00281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7220801	POST-CARBON	GW	03/09/2007	10:10	03/09/2007	10:55
A7200101	PRE-CARBON	GW	03/01/2007	14:54	03/01/2007	16:01

METHODS SUMMARY

Job#: A07-2001,A07-2208

STL Project#: NY5A946109
SDG#: 2001
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

PARAMETER	ANALYTICAL METHOD
NYSDEC - SW8463 8260/5 ML	SW8463 8260
METHOD 8021 - VOLATILE ORGANICS - STARS	SW8463 8021
Calcium - Total	MCAWW 200.7
Iron - Total	MCAWW 200.7
Magnesium - Total	MCAWW 200.7
Potassium - Total	MCAWW 200.7
Sodium - Total	MCAWW 200.7
Chloride	MCAWW 300.0
Cyanide - Total	MCAWW 335.2
pH	MCAWW 150.1
Sulfate	MCAWW 300.0
Total Alkalinity	MCAWW 310.2

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A07-2001,A07-2208

STL Project#: NY5A946109
SDG#: 2001
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

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. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A07-2001
Sample Cooler(s) were received at the following temperature(s); 4.0 °C
All samples were received in good condition.
A07-2208
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"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 above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Brian J. Fischer
Project Manager

3-20-07
Date

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
PRE-CARBON	A7200101	Chloride	5.00	008
PRE-CARBON	A7200101	Sulfate	5.00	008
PRE-CARBON	A7200101	Total Alkalinity	10.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

SEVERN TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: POST-CARBON
Lab Sample ID: A7220801
Date Collected: 03/09/2007
Time Collected: 10:10

Date Received: 03/09/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		5	UG/L	8260	03/14/2007 14:18	JMB
1,1,2,2-Tetrachloroethane	ND		5	UG/L	8260	03/14/2007 14:18	JMB
1,1,2-Trichloroethane	ND		5	UG/L	8260	03/14/2007 14:18	JMB
1,1-Dichloroethane	ND		5	UG/L	8260	03/14/2007 14:18	JMB
1,1-Dichloroethene	ND		5	UG/L	8260	03/14/2007 14:18	JMB
1,2-Dichloroethane	ND		5	UG/L	8260	03/14/2007 14:18	JMB
1,2-Dichloroethene (Total)	ND		10	UG/L	8260	03/14/2007 14:18	JMB
1,2-Dichloropropane	ND		5	UG/L	8260	03/14/2007 14:18	JMB
2-Butanone	ND		25	UG/L	8260	03/14/2007 14:18	JMB
2-Hexanone	ND		25	UG/L	8260	03/14/2007 14:18	JMB
4-Methyl-2-pentanone	ND		25	UG/L	8260	03/14/2007 14:18	JMB
Acetone	ND		25	UG/L	8260	03/14/2007 14:18	JMB
Benzene	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Bromodichloromethane	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Bromoform	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Bromomethane	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Carbon Disulfide	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Carbon Tetrachloride	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Chlorobenzene	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Chloroethane	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Chloroform	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Chloromethane	ND		5	UG/L	8260	03/14/2007 14:18	JMB
cis-1,3-Dichloropropene	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Dibromochloromethane	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Ethylbenzene	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Methylene chloride	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Styrene	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Tetrachloroethene	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Toluene	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Total Xylenes	ND		15	UG/L	8260	03/14/2007 14:18	JMB
trans-1,3-Dichloropropene	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Trichloroethene	ND		5	UG/L	8260	03/14/2007 14:18	JMB
Vinyl acetate	ND		25	UG/L	8260	03/14/2007 14:18	JMB
Vinyl chloride	3	J	5	UG/L	8260	03/14/2007 14:18	JMB
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	ND		0.20	UG/L	8021	03/13/2007 14:56	LD
1,3,5-Trimethylbenzene	ND		0.20	UG/L	8021	03/13/2007 14:56	LD
Benzene	0.35		0.20	UG/L	8021	03/13/2007 14:56	LD
Ethylbenzene	ND		0.20	UG/L	8021	03/13/2007 14:56	LD
Isopropylbenzene	ND		0.20	UG/L	8021	03/13/2007 14:56	LD
m-Xylene	ND		0.40	UG/L	8021	03/13/2007 14:56	LD
Methyl-t-Butyl Ether (MTBE)	1.2		0.40	UG/L	8021	03/13/2007 14:56	LD
n-Butylbenzene	ND		0.40	UG/L	8021	03/13/2007 14:56	LD
n-Propylbenzene	ND		0.20	UG/L	8021	03/13/2007 14:56	LD
o-Xylene	ND		0.20	UG/L	8021	03/13/2007 14:56	LD
p-Cymene	ND		0.40	UG/L	8021	03/13/2007 14:56	LD
p-Xylene	ND		0.40	UG/L	8021	03/13/2007 14:56	LD
sec-Butylbenzene	ND		0.40	UG/L	8021	03/13/2007 14:56	LD

Sample ID: POST-CARBON
Lab Sample ID: A7220801
Date Collected: 03/09/2007
Time Collected: 10:10

Date Received: 03/09/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
Toluene	ND		0.20	UG/L	8021	03/13/2007 14:56	LD
Total Xylenes	ND		0.60	UG/L	8021	03/13/2007 14:56	LD
Metals Analysis							
Iron - Total	209		50.0	UG/L	200.7	03/13/2007 17:16	TWS
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	335.2	03/16/2007 11:45	ERK
pH	7.7		0.50	S.U.	150.1	03/09/2007 16:50	SM

Sample ID: PRE-CARBON
Lab Sample ID: A7200101
Date Collected: 03/01/2007
Time Collected: 14:54

Date Received: 03/01/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Calcium - Total	139000		500	UG/L	200.7	03/07/2007 22:28	AK
Iron - Total	720		50.0	UG/L	200.7	03/07/2007 22:28	AK
Magnesium - Total	71600		200	UG/L	200.7	03/07/2007 22:28	AK
Potassium - Total	3810		500	UG/L	200.7	03/07/2007 22:28	AK
Sodium - Total	70200		1000	UG/L	200.7	03/07/2007 22:28	AK
Wet Chemistry Analysis							
Chloride	152		2.5	MG/L	300.0	03/09/2007 08:59	AEG
Sulfate	211		10	MG/L	300.0	03/09/2007 08:59	AEG
Total Alkalinity	471		100	MG/L	310.2	03/06/2007 11:34	LRM

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC - Region 9	Chuck Guzzetta - Empire Geo	3-1-07	323411
Address 270 Michigan ST	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
City Buffalo **State** NY **Zip Code** 14203	**Site Contact**	**Lab Contact**	
Project Name and Location (State) Gustown Manufactured Gas Plant	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	T. Metals	T. Iron	Chloride	T. Alkalinity	Sulfate	T. Cyanide	Gas VOAs	TCL VOAs	Special Instructions/ Conditions of Receipt
Pre-Carbon #1	3-1-07	3:50		X			1		1				X	X							Hold on analyses
Pre-Carbon #2		3:50		X			1								X		X				until tomorrow
Pre-Carbon #3		3:54		X			1									X					3-7 when contacted
Post-Carbon #1		3:55		X			1											X			by Empire
Post-Carbon #2		3:53		X					1					X							
Post-Carbon #3		3:50		X							1							X			
Post-Carbon #4		3:53		X						3									X	X	

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☒ Archive For 3rd 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 5d

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
Gil Mata / Empire Geo Services	3-1-07	1600		3/1/07	1601
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments 4.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

12/13

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ART KOSKE		3-9-07	300226
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
NYSDEC - CASTOWN			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOAs	CAS VOAs	T Fe	T CN	PH	Special Instructions/ Conditions of Receipt
POST CARBON	3-9-07	10:10		X						8			X	X				
POST CARBON	3-9-07	9:25		X					1						X			
POST CARBON	3-9-07	9:25		X							1					X		
POST CARBON	3-9-07	9:25		X			1										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)

	Date	Time		Date	Time
1. Relinquished By	3/9/07	1055	1. Received By	3/9/07	1055
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

PART OF FEB. MONTHLY SAMPLE

9.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

13/13

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

1/17

ANALYTICAL REPORT

Job#: A07-3469

STL Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT
Task: NYSDEC Spills - Gastown WWTP

Mr. Glenn May
NYSDEC - Region 9
270 Michigan Ave
Buffalo, NY 14203

CC: Mr. Charles B. Guzzetta

STL Buffalo

Brian J. Fischer
Project Manager

04/20/2007

STL Buffalo
Current Certifications

As of 9/28/2006

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, 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	NY044
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	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA,ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA,RCRA	68-00281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7346901	POST-CARBON	GW	04/09/2007	08:35	04/09/2007	10:45
A7346902	PRE-CARBON	GW	04/09/2007	08:35	04/09/2007	10:45

METHODS SUMMARY

Job#: A07-3469

STL Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

PARAMETER	ANALYTICAL METHOD
NYSDEC - SW8463 8260/5 ML	SW8463 8260
METHOD 8021 - VOLATILE ORGANICS - STARS	SW8463 8021
NYSDEC - METHOD 8270 Gastown	SW8463 8270
GASTOWN - METHOD 608 - P.P. PESTICIDES	CFR136 608PEST
Arsenic - Total	MCAWW 200.7
Calcium - Total	MCAWW 200.7
Iron - Total	MCAWW 200.7
Magnesium - Total	MCAWW 200.7
Manganese - Total	MCAWW 200.7
Potassium - Total	MCAWW 200.7
Sodium - Total	MCAWW 200.7
Zinc - Total	MCAWW 200.7
Biochemical Oxygen Demand	MCAWW 405.1
Chloride	MCAWW 300.0
Cyanide - Total	MCAWW 335.2
Oil & Grease	MCAWW 1664
pH	MCAWW 150.1
Sulfate	MCAWW 300.0
Total Alkalinity	MCAWW 310.2
Total Dissolved Solids	MCAWW 160.1
Total Recoverable Phenolics	MCAWW 420.2
Total Suspended Solids	MCAWW 160.2

References:

CFR136 Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, and Appendix A-C; 40 CFR Part 136, USEPA Office of Water.

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A07-3469

STL Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

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. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A07-3469
Sample Cooler(s) were received at the following temperature(s); 6.8 °C
Samples were received at a temperature of 6.8°C. However, ice was present in the cooler and as the samples were collected the same day, it was not possible for the samples to cool to 4°C prior to receipt. There is no impact on the data.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC/MS Semivolatile Data

The analyte Indene was searched for as tentatively identified compounds (TIC's) and not found in the sample.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"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 above. 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 J. Fischer
Project Manager

4-20-07
Date

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
PRE-CARBON	A7346902	8021	100.00	008
PRE-CARBON	A7346902	8260	40.00	008
PRE-CARBON	A7346902	Chloride	5.00	008
PRE-CARBON	A7346902	Sulfate	5.00	008
PRE-CARBON	A7346902	Total Alkalinity	5.00	008
PRE-CARBON	A7346902MS	8021	100.00	008
PRE-CARBON	A7346902SD	8021	100.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

Date: 04/20/2007 Requested Detection Limits < STL's PQL Page: 1
Time: 10:51:46 Rept: AN1520

The requested project specific reporting limits listed below were less than STL's standard quantitation limits. It must be noted that results reported below STL's standard quantitation limit (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.

Method	Parameter	Unit	Client DL	STL PQL
420.2	Total Recoverable Phenolics	MG/L	0.0050	0.010

STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: POST-CARBON
Lab Sample ID: A7346901
Date Collected: 04/09/2007
Time Collected: 08:35

Date Received: 04/09/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		5	UG/L	8260	04/17/2007 20:36	ND
1,1,2,2-Tetrachloroethane	ND		5	UG/L	8260	04/17/2007 20:36	ND
1,1,2-Trichloroethane	ND		5	UG/L	8260	04/17/2007 20:36	ND
1,1-Dichloroethane	ND		5	UG/L	8260	04/17/2007 20:36	ND
1,1-Dichloroethene	ND		5	UG/L	8260	04/17/2007 20:36	ND
1,2-Dichloroethane	ND		5	UG/L	8260	04/17/2007 20:36	ND
1,2-Dichloroethene (Total)	ND		10	UG/L	8260	04/17/2007 20:36	ND
1,2-Dichloropropane	ND		5	UG/L	8260	04/17/2007 20:36	ND
2-Butanone	ND		25	UG/L	8260	04/17/2007 20:36	ND
2-Hexanone	ND		25	UG/L	8260	04/17/2007 20:36	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	04/17/2007 20:36	ND
Acetone	ND		25	UG/L	8260	04/17/2007 20:36	ND
Benzene	ND		5	UG/L	8260	04/17/2007 20:36	ND
Bromodichloromethane	ND		5	UG/L	8260	04/17/2007 20:36	ND
Bromoform	ND		5	UG/L	8260	04/17/2007 20:36	ND
Bromomethane	ND		5	UG/L	8260	04/17/2007 20:36	ND
Carbon Disulfide	ND		5	UG/L	8260	04/17/2007 20:36	ND
Carbon Tetrachloride	ND		5	UG/L	8260	04/17/2007 20:36	ND
Chlorobenzene	ND		5	UG/L	8260	04/17/2007 20:36	ND
Chloroethane	ND		5	UG/L	8260	04/17/2007 20:36	ND
Chloroform	ND		5	UG/L	8260	04/17/2007 20:36	ND
Chloromethane	ND		5	UG/L	8260	04/17/2007 20:36	ND
cis-1,3-Dichloropropene	ND		5	UG/L	8260	04/17/2007 20:36	ND
Dibromochloromethane	ND		5	UG/L	8260	04/17/2007 20:36	ND
Ethylbenzene	ND		5	UG/L	8260	04/17/2007 20:36	ND
Methylene chloride	ND		5	UG/L	8260	04/17/2007 20:36	ND
Styrene	ND		5	UG/L	8260	04/17/2007 20:36	ND
Tetrachloroethene	ND		5	UG/L	8260	04/17/2007 20:36	ND
Toluene	ND		5	UG/L	8260	04/17/2007 20:36	ND
Total Xylenes	ND		15	UG/L	8260	04/17/2007 20:36	ND
trans-1,3-Dichloropropene	ND		5	UG/L	8260	04/17/2007 20:36	ND
Trichloroethene	ND		5	UG/L	8260	04/17/2007 20:36	ND
Vinyl acetate	ND		25	UG/L	8260	04/17/2007 20:36	ND
Vinyl chloride	1	J	5	UG/L	8260	04/17/2007 20:36	ND
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	ND		0.20	UG/L	8021	04/11/2007 13:52	LD
1,3,5-Trimethylbenzene	ND		0.20	UG/L	8021	04/11/2007 13:52	LD
Benzene	ND		0.20	UG/L	8021	04/11/2007 13:52	LD
Ethylbenzene	ND		0.20	UG/L	8021	04/11/2007 13:52	LD
Isopropylbenzene	ND		0.20	UG/L	8021	04/11/2007 13:52	LD
m-Xylene	ND		0.40	UG/L	8021	04/11/2007 13:52	LD
Methyl-t-Butyl Ether (MTBE)	ND		0.40	UG/L	8021	04/11/2007 13:52	LD
n-Butylbenzene	ND		0.40	UG/L	8021	04/11/2007 13:52	LD
n-Propylbenzene	ND		0.20	UG/L	8021	04/11/2007 13:52	LD
o-Xylene	ND		0.20	UG/L	8021	04/11/2007 13:52	LD
p-Cymene	ND		0.40	UG/L	8021	04/11/2007 13:52	LD
p-Xylene	ND		0.40	UG/L	8021	04/11/2007 13:52	LD
sec-Butylbenzene	ND		0.40	UG/L	8021	04/11/2007 13:52	LD

Sample ID: POST-CARBON
Lab Sample ID: A7346901
Date Collected: 04/09/2007
Time Collected: 08:35

Date Received: 04/09/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
Toluene	ND		0.20	UG/L	8021	04/11/2007 13:52	LD
Total Xylenes	ND		0.60	UG/L	8021	04/11/2007 13:52	LD
NYSDEC - GASTOWN WWTP LIST/8270 - W							
2-Methylnaphthalene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Acenaphthene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Acenaphthylene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Anthracene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Benzo(a)anthracene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Benzo(a)pyrene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Benzo(b)fluoranthene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Benzo(ghi)perylene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Benzo(k)fluoranthene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Biphenyl	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Bis(2-ethylhexyl) phthalate	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Carbazole	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Chrysene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Dibenzo(a,h)anthracene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Dibenzofuran	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Fluoranthene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Fluorene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Indene (TIC)	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Indeno(1,2,3-cd)pyrene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Naphthalene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Pentachlorophenol	ND		47	UG/L	8270	04/13/2007 11:00	MD
Phenanthrene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
Phenol	ND		47	UG/L	8270	04/13/2007 11:00	MD
Pyrene	ND		9.5	UG/L	8270	04/13/2007 11:00	MD
GASTOWN - AQUEOUS-CFR136 608 - P.P. PESTICIDE							
4,4'-DDD	ND		0.047	UG/L	608PEST	04/11/2007 18:27	TCH
4,4'-DDE	ND		0.047	UG/L	608PEST	04/11/2007 18:27	TCH
4,4'-DDT	ND		0.047	UG/L	608PEST	04/11/2007 18:27	TCH
Aldrin	ND		0.047	UG/L	608PEST	04/11/2007 18:27	TCH
alpha-BHC	ND		0.047	UG/L	608PEST	04/11/2007 18:27	TCH
beta-BHC	ND		0.047	UG/L	608PEST	04/11/2007 18:27	TCH
Chlordane	ND		0.47	UG/L	608PEST	04/11/2007 18:27	TCH
delta-BHC	ND		0.047	UG/L	608PEST	04/11/2007 18:27	TCH
Dieldrin	ND		0.047	UG/L	608PEST	04/11/2007 18:27	TCH
Endosulfan I	ND		0.047	UG/L	608PEST	04/11/2007 18:27	TCH
Endosulfan II	ND		0.047	UG/L	608PEST	04/11/2007 18:27	TCH
Endosulfan Sulfate	ND		0.047	UG/L	608PEST	04/11/2007 18:27	TCH
Endrin	ND		0.047	UG/L	608PEST	04/11/2007 18:27	TCH
Endrin aldehyde	ND		0.047	UG/L	608PEST	04/11/2007 18:27	TCH
gamma-BHC (Lindane)	ND		0.047	UG/L	608PEST	04/11/2007 18:27	TCH
Heptachlor	ND		0.047	UG/L	608PEST	04/11/2007 18:27	TCH
Heptachlor epoxide	ND		0.047	UG/L	608PEST	04/11/2007 18:27	TCH
Toxaphene	ND		0.94	UG/L	608PEST	04/11/2007 18:27	TCH

Sample ID: POST-CARBON
Lab Sample ID: A7346901
Date Collected: 04/09/2007
Time Collected: 08:35

Date Received: 04/09/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Arsenic - Total	ND		10	UG/L	200.7	04/11/2007 22:05	AK
Iron - Total	109		50.0	UG/L	200.7	04/11/2007 22:05	AK
Manganese - Total	310		3.0	UG/L	200.7	04/11/2007 22:05	AK
Zinc - Total	21.9		10	UG/L	200.7	04/11/2007 22:05	AK
Wet Chemistry Analysis							
Biochemical Oxygen Demand	ND		2.0	MG/L	405.1	04/10/2007 15:10	SM
Cyanide - Total	0.21		0.010	MG/L	335.2	04/13/2007 16:40	ERK
Oil & Grease	ND		5.0	MG/L	1664	04/10/2007 13:30	RMM
pH	7.6		0.50	S.U.	150.1	04/09/2007 18:08	LRM
Total Dissolved Solids	957		10	MG/L	160.1	04/11/2007 17:00	AN
Total Recoverable Phenolics	ND		0.0050	MG/L	420.2	04/11/2007 06:48	LRM
Total Suspended Solids	ND		4.0	MG/L	160.2	04/10/2007 11:30	AN

Sample ID: PRE-CARBON
Lab Sample ID: A7346902
Date Collected: 04/09/2007
Time Collected: 08:35

Date Received: 04/09/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		200	UG/L	8260	04/18/2007 12:26	LH
1,1,2,2-Tetrachloroethane	ND		200	UG/L	8260	04/18/2007 12:26	LH
1,1,2-Trichloroethane	ND		200	UG/L	8260	04/18/2007 12:26	LH
1,1-Dichloroethane	ND		200	UG/L	8260	04/18/2007 12:26	LH
1,1-Dichloroethene	ND		200	UG/L	8260	04/18/2007 12:26	LH
1,2-Dichloroethane	ND		200	UG/L	8260	04/18/2007 12:26	LH
1,2-Dichloroethene (Total)	ND		400	UG/L	8260	04/18/2007 12:26	LH
1,2-Dichloropropane	ND		200	UG/L	8260	04/18/2007 12:26	LH
2-Butanone	ND		1000	UG/L	8260	04/18/2007 12:26	LH
2-Hexanone	ND		1000	UG/L	8260	04/18/2007 12:26	LH
4-Methyl-2-pentanone	ND		1000	UG/L	8260	04/18/2007 12:26	LH
Acetone	ND		1000	UG/L	8260	04/18/2007 12:26	LH
Benzene	3200		200	UG/L	8260	04/18/2007 12:26	LH
Bromodichloromethane	ND		200	UG/L	8260	04/18/2007 12:26	LH
Bromoform	ND		200	UG/L	8260	04/18/2007 12:26	LH
Bromomethane	ND		200	UG/L	8260	04/18/2007 12:26	LH
Carbon Disulfide	ND		200	UG/L	8260	04/18/2007 12:26	LH
Carbon Tetrachloride	ND		200	UG/L	8260	04/18/2007 12:26	LH
Chlorobenzene	ND		200	UG/L	8260	04/18/2007 12:26	LH
Chloroethane	ND		200	UG/L	8260	04/18/2007 12:26	LH
Chloroform	ND		200	UG/L	8260	04/18/2007 12:26	LH
Chloromethane	ND		200	UG/L	8260	04/18/2007 12:26	LH
cis-1,3-Dichloropropene	ND		200	UG/L	8260	04/18/2007 12:26	LH
Dibromochloromethane	ND		200	UG/L	8260	04/18/2007 12:26	LH
Ethylbenzene	180	J	200	UG/L	8260	04/18/2007 12:26	LH
Methylene chloride	72	BJ	200	UG/L	8260	04/18/2007 12:26	LH
Styrene	51	J	200	UG/L	8260	04/18/2007 12:26	LH
Tetrachloroethene	ND		200	UG/L	8260	04/18/2007 12:26	LH
Toluene	520		200	UG/L	8260	04/18/2007 12:26	LH
Total Xylenes	180	J	600	UG/L	8260	04/18/2007 12:26	LH
trans-1,3-Dichloropropene	ND		200	UG/L	8260	04/18/2007 12:26	LH
Trichloroethene	ND		200	UG/L	8260	04/18/2007 12:26	LH
Vinyl acetate	ND		1000	UG/L	8260	04/18/2007 12:26	LH
Vinyl chloride	ND		200	UG/L	8260	04/18/2007 12:26	LH
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	ND		3.5	UG/L	8021	04/11/2007 15:23	LD
1,3,5-Trimethylbenzene	ND		3.0	UG/L	8021	04/11/2007 15:23	LD
Benzene	3100		2.3	UG/L	8021	04/11/2007 15:23	LD
Ethylbenzene	150		2.9	UG/L	8021	04/11/2007 15:23	LD
Isopropylbenzene	ND		2.7	UG/L	8021	04/11/2007 15:23	LD
m-Xylene	94	1	5.4	UG/L	8021	04/11/2007 15:23	LD
Methyl-t-Butyl Ether (MTBE)	ND		4.4	UG/L	8021	04/11/2007 15:23	LD
n-Butylbenzene	ND		3.1	UG/L	8021	04/11/2007 15:23	LD
n-Propylbenzene	ND		2.8	UG/L	8021	04/11/2007 15:23	LD
o-Xylene	110		2.7	UG/L	8021	04/11/2007 15:23	LD
p-Cymene	ND		3.0	UG/L	8021	04/11/2007 15:23	LD
p-Xylene	ND	1	5.4	UG/L	8021	04/11/2007 15:23	LD
sec-Butylbenzene	ND		2.0	UG/L	8021	04/11/2007 15:23	LD

Sample ID: PRE-CARBON
Lab Sample ID: A7346902
Date Collected: 04/09/2007
Time Collected: 08:35

Date Received: 04/09/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
Toluene	480		3.6	UG/L	8021	04/11/2007 15:23	LD
Total Xylenes	200		8.1	UG/L	8021	04/11/2007 15:23	LD
Metals Analysis							
Calcium - Total	163000		500	UG/L	200.7	04/11/2007 22:10	AK
Iron - Total	418		50.0	UG/L	200.7	04/11/2007 22:10	AK
Magnesium - Total	71900		200	UG/L	200.7	04/11/2007 22:10	AK
Potassium - Total	4400		500	UG/L	200.7	04/11/2007 22:10	AK
Sodium - Total	70800		1000	UG/L	200.7	04/11/2007 22:10	AK
Wet Chemistry Analysis							
Chloride	162		2.5	MG/L	300.0	04/11/2007 16:45	AEG
Sulfate	216		10	MG/L	300.0	04/11/2007 16:45	AEG
Total Alkalinity	436		50.0	MG/L	310.2	04/12/2007 07:40	LRM

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ART KOSKE		4-9-07	323883
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
City / State / Zip Code	**Site Contact / Lab Contact**	**Analysis (Attach list if more space is needed)**	
Project Name and Location (State)	**Carrier/Waybill Number**		
NYSDEC - GASTOWN			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	HEM	TPHENOLS	TCN	Special Instructions/ Conditions of Receipt
POST CARBON	4-9-07	8:35		X				2					X	X		
POST CARBON	4-9-07	8:35		X							1				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)

	Date	Time		Date	Time
1. Relinquished By	4-9-07	10:45	1. Received By JM Buffalo	4/9/07	10:45
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

6.8 °C SAME DAY

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

16/17

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ART KOSKE		4-9-07	242663
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
NYS DEC - GASTOWN			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	T. METALS	T. FE	CL	504	TALK	TCL VOAS	GAS VOA	B270 GAS	PP TEST	BOD	TDS	TSS/SOLIDS	PH	Special Instructions/ Conditions of Receipt
PRE CARBON	4-9-07	8:35		X					1				X	X												
PRE CARBON	4-9-07	8:35		X			2								X	X	X									
PRE CARBON	4-9-07	9:30		X						8								X	X							
POST CARBON	4-9-07	9:30		X						8								X	X							
POST CARBON	4-9-07	8:35		X			4													X	X	X	X	X	X	
POST CARBON	4-9-07	8:35		X					1				X	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)

	Date	Time		Date	Time
1. Relinquished By	4-9-07	1045	1. Received By STL BUFFALO	4/9/07	1045
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

6-8°C SAME DAY

17/17

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A07-5327

STL Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT
Task: NYSDEC Spills - Gastown WWTP

Mr. Glenn May
NYSDEC - Region 9
270 Michigan Ave
Buffalo, NY 14203

CC: Mr. Charles B. Guzzetta

STL Buffalo

Brian J. Fischer
FOR Project Manager

05/31/2007

STL Buffalo
Current Certifications

As of 5/16/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7532701	POST-CARBON	GW	05/17/2007	09:20	05/17/2007	10:30
A7532702	PRE-CARBON	GW	05/17/2007	09:20	05/17/2007	10:30

METHODS SUMMARY

Job#: A07-5327

STL Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

PARAMETER	ANALYTICAL METHOD
NYSDEC - SW8463 8260/5 ML	SW8463 8260
METHOD 8021 - VOLATILE ORGANICS - STARS	SW8463 8021
Calcium - Total	MCAWW 200.7
Iron - Total	MCAWW 200.7
Magnesium - Total	MCAWW 200.7
Potassium - Total	MCAWW 200.7
Sodium - Total	MCAWW 200.7
Chloride	MCAWW 300.0
Cyanide - Total	MCAWW 335.2
pH	MCAWW 150.1
Sulfate	MCAWW 300.0
Total Alkalinity	MCAWW 310.2

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A07-5327

STL Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

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. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A07-5327
Sample Cooler(s) were received at the following temperature(s); 6.0 °C
Volume for pH analysis was received on 5/18.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"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 above. 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 J. Fischer
FOR Project Manager

6/1/07
Date

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
PRE-CARBON	A7532702	Chloride	5.00	008
PRE-CARBON	A7532702	Sulfate	5.00	008
PRE-CARBON	A7532702	Total Alkalinity	5.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: POST-CARBON
Lab Sample ID: A7532701
Date Collected: 05/17/2007
Time Collected: 09:20

Date Received: 05/17/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		5	UG/L	8260	05/21/2007 18:59	CDC
1,1,2,2-Tetrachloroethane	ND		5	UG/L	8260	05/21/2007 18:59	CDC
1,1,2-Trichloroethane	ND		5	UG/L	8260	05/21/2007 18:59	CDC
1,1-Dichloroethane	ND		5	UG/L	8260	05/21/2007 18:59	CDC
1,1-Dichloroethene	ND		5	UG/L	8260	05/21/2007 18:59	CDC
1,2-Dichloroethane	ND		5	UG/L	8260	05/21/2007 18:59	CDC
1,2-Dichloroethene (Total)	ND		10	UG/L	8260	05/21/2007 18:59	CDC
1,2-Dichloropropane	ND		5	UG/L	8260	05/21/2007 18:59	CDC
2-Butanone	ND		25	UG/L	8260	05/21/2007 18:59	CDC
2-Hexanone	ND		25	UG/L	8260	05/21/2007 18:59	CDC
4-Methyl-2-pentanone	1	BJ	25	UG/L	8260	05/21/2007 18:59	CDC
Acetone	2	BJ	25	UG/L	8260	05/21/2007 18:59	CDC
Benzene	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Bromodichloromethane	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Bromoform	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Bromomethane	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Carbon Disulfide	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Carbon Tetrachloride	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Chlorobenzene	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Chloroethane	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Chloroform	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Chloromethane	ND		5	UG/L	8260	05/21/2007 18:59	CDC
cis-1,3-Dichloropropene	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Dibromochloromethane	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Ethylbenzene	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Methylene chloride	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Styrene	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Tetrachloroethene	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Toluene	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Total Xylenes	ND		15	UG/L	8260	05/21/2007 18:59	CDC
trans-1,3-Dichloropropene	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Trichloroethene	ND		5	UG/L	8260	05/21/2007 18:59	CDC
Vinyl acetate	ND		25	UG/L	8260	05/21/2007 18:59	CDC
Vinyl chloride	3	J	5	UG/L	8260	05/21/2007 18:59	CDC
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	ND		0.20	UG/L	8021	05/21/2007 14:33	LMW
1,3,5-Trimethylbenzene	ND		0.20	UG/L	8021	05/21/2007 14:33	LMW
Benzene	0.36		0.20	UG/L	8021	05/21/2007 14:33	LMW
Ethylbenzene	ND		0.20	UG/L	8021	05/21/2007 14:33	LMW
Isopropylbenzene	ND		0.20	UG/L	8021	05/21/2007 14:33	LMW
m-Xylene	ND		0.40	UG/L	8021	05/21/2007 14:33	LMW
Methyl-t-Butyl Ether (MTBE)	ND		0.40	UG/L	8021	05/21/2007 14:33	LMW
n-Butylbenzene	ND		0.40	UG/L	8021	05/21/2007 14:33	LMW
n-Propylbenzene	ND		0.20	UG/L	8021	05/21/2007 14:33	LMW
o-Xylene	ND		0.20	UG/L	8021	05/21/2007 14:33	LMW
p-Cymene	ND		0.40	UG/L	8021	05/21/2007 14:33	LMW
p-Xylene	ND		0.40	UG/L	8021	05/21/2007 14:33	LMW
sec-Butylbenzene	ND		0.40	UG/L	8021	05/21/2007 14:33	LMW

Sample ID: POST-CARBON
Lab Sample ID: A7532701
Date Collected: 05/17/2007
Time Collected: 09:20

Date Received: 05/17/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
Toluene	ND		0.20	UG/L	8021	05/21/2007 14:33	LMW
Total Xylenes	ND		0.60	UG/L	8021	05/21/2007 14:33	LMW
Metals Analysis							
Iron - Total	132		50.0	UG/L	200.7	05/21/2007 19:07	AK
Wet Chemistry Analysis							
Cyanide - Total	0.30		0.010	MG/L	335.2	05/22/2007 10:30	LRM
pH	7.6		0.50	S.U.	150.1	05/18/2007 07:57	LRM

Sample ID: PRE-CARBON
Lab Sample ID: A7532702
Date Collected: 05/17/2007
Time Collected: 09:20

Date Received: 05/17/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Calcium - Total	152000		500	UG/L	200.7	05/21/2007 19:12	AK
Iron - Total	650		50.0	UG/L	200.7	05/21/2007 19:12	AK
Magnesium - Total	66900		200	UG/L	200.7	05/21/2007 19:12	AK
Potassium - Total	4770		500	UG/L	200.7	05/21/2007 19:12	AK
Sodium - Total	72100		1000	UG/L	200.7	05/21/2007 19:12	AK
Wet Chemistry Analysis							
Chloride	159		2.5	MG/L	300.0	05/18/2007 09:15	AEG
Sulfate	202		10	MG/L	300.0	05/18/2007 09:15	AEG
Total Alkalinity	446		50.0	MG/L	310.2	05/17/2007 15:17	RLG

71620

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ART KOSKE		5-17-07	324964
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
NYS DEC - CASTOWN			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	T. METALS	T FE	CL	SO4	TAL VOA	CAS VOA	TCL VOAS	PH	T CN	Special Instructions/ Conditions of Receipt
PRE CARBON	5-17-07	9:20		X					1				X	X								
PRE CARBON				X			1								X	X						
PRE CARBON				X			1										X					
POST CARBON				X						8								X	X			
POST CARBON				X			1													X		
POST CARBON				X					1					X								
POST CARBON				X							1										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	Date	Time	1. Received By	Date	Time
	5-17-07	10:28		5/17/07	1030
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

6.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

12/12

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A07-6882

Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT
Task: NYSDEC Spills - Gastown WWTP

Mr. Glenn May
NYSDEC - Region 9
270 Michigan Ave
Buffalo, NY 14203

CC: Mr. Charles B. Guzzetta

STL Buffalo

Brian J. Fischer
Project Manager

07/05/2007

STL Buffalo
Current Certifications

As of 5/16/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7688201	POST-CARBON	GW	06/20/2007	11:35	06/20/2007	12:00
A7688202	PRE-CARBON	GW	06/20/2007	11:35	06/20/2007	12:00

METHODS SUMMARY

Job#: A07-6882

Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

PARAMETER	ANALYTICAL METHOD
NYSDEC - SW8463 8260/5 ML	SW8463 8260
METHOD 8021 - VOLATILE ORGANICS - STARS	SW8463 8021
Calcium - Total	MCAWW 200.7
Iron - Total	MCAWW 200.7
Magnesium - Total	MCAWW 200.7
Potassium - Total	MCAWW 200.7
Sodium - Total	MCAWW 200.7
Chloride	MCAWW 300.0
Cyanide - Total	MCAWW 335.2
pH	MCAWW 150.1
Sulfate	MCAWW 300.0
Total Alkalinity	MCAWW 310.2

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A07-6882

Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

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. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A07-6882
Sample Cooler(s) were received at the following temperature(s); 2.4 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"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 above. 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 J. Fischer
Project Manager

7-5-02
Date

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
PRE-CARBON	A7688202	Chloride	5.00	002
PRE-CARBON	A7688202	Sulfate	5.00	002
PRE-CARBON	A7688202	Total Alkalinity	7.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
PRE-CARBON	A7688202	Chloride	5.00	002
PRE-CARBON	A7688202	Sulfate	5.00	002
PRE-CARBON	A7688202	Total Alkalinity	7.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
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007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
PRE-CARBON	A7688202	Chloride	5.00	002
PRE-CARBON	A7688202	Sulfate	5.00	002
PRE-CARBON	A7688202	Total Alkalinity	7.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: POST-CARBON
Lab Sample ID: A7688201
Date Collected: 06/20/2007
Time Collected: 11:35

Date Received: 06/20/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		5	UG/L	8260	06/26/2007 23:52	ND
1,1,2,2-Tetrachloroethane	ND		5	UG/L	8260	06/26/2007 23:52	ND
1,1,2-Trichloroethane	ND		5	UG/L	8260	06/26/2007 23:52	ND
1,1-Dichloroethane	ND		5	UG/L	8260	06/26/2007 23:52	ND
1,1-Dichloroethene	ND		5	UG/L	8260	06/26/2007 23:52	ND
1,2-Dichloroethane	ND		5	UG/L	8260	06/26/2007 23:52	ND
1,2-Dichloroethene (Total)	2	J	10	UG/L	8260	06/26/2007 23:52	ND
1,2-Dichloropropane	ND		5	UG/L	8260	06/26/2007 23:52	ND
2-Butanone	ND		25	UG/L	8260	06/26/2007 23:52	ND
2-Hexanone	ND		25	UG/L	8260	06/26/2007 23:52	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	06/26/2007 23:52	ND
Acetone	ND		25	UG/L	8260	06/26/2007 23:52	ND
Benzene	1	J	5	UG/L	8260	06/26/2007 23:52	ND
Bromodichloromethane	ND		5	UG/L	8260	06/26/2007 23:52	ND
Bromoform	ND		5	UG/L	8260	06/26/2007 23:52	ND
Bromomethane	ND		5	UG/L	8260	06/26/2007 23:52	ND
Carbon Disulfide	ND		5	UG/L	8260	06/26/2007 23:52	ND
Carbon Tetrachloride	ND		5	UG/L	8260	06/26/2007 23:52	ND
Chlorobenzene	ND		5	UG/L	8260	06/26/2007 23:52	ND
Chloroethane	ND		5	UG/L	8260	06/26/2007 23:52	ND
Chloroform	ND		5	UG/L	8260	06/26/2007 23:52	ND
Chloromethane	ND		5	UG/L	8260	06/26/2007 23:52	ND
cis-1,3-Dichloropropene	ND		5	UG/L	8260	06/26/2007 23:52	ND
Dibromochloromethane	ND		5	UG/L	8260	06/26/2007 23:52	ND
Ethylbenzene	ND		5	UG/L	8260	06/26/2007 23:52	ND
Methylene chloride	ND		5	UG/L	8260	06/26/2007 23:52	ND
Styrene	ND		5	UG/L	8260	06/26/2007 23:52	ND
Tetrachloroethene	ND		5	UG/L	8260	06/26/2007 23:52	ND
Toluene	ND		5	UG/L	8260	06/26/2007 23:52	ND
Total Xylenes	ND		15	UG/L	8260	06/26/2007 23:52	ND
trans-1,3-Dichloropropene	ND		5	UG/L	8260	06/26/2007 23:52	ND
Trichloroethene	ND		5	UG/L	8260	06/26/2007 23:52	ND
Vinyl acetate	ND		25	UG/L	8260	06/26/2007 23:52	ND
Vinyl chloride	4	J	5	UG/L	8260	06/26/2007 23:52	ND
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	ND		0.20	UG/L	8021	06/28/2007 13:22	LMW
1,3,5-Trimethylbenzene	ND		0.20	UG/L	8021	06/28/2007 13:22	LMW
Benzene	1.2		0.20	UG/L	8021	06/28/2007 13:22	LMW
Ethylbenzene	ND		0.20	UG/L	8021	06/28/2007 13:22	LMW
Isopropylbenzene	ND		0.20	UG/L	8021	06/28/2007 13:22	LMW
m-Xylene	ND		0.40	UG/L	8021	06/28/2007 13:22	LMW
Methyl-t-Butyl Ether (MTBE)	ND		0.40	UG/L	8021	06/28/2007 13:22	LMW
n-Butylbenzene	ND		0.40	UG/L	8021	06/28/2007 13:22	LMW
n-Propylbenzene	ND		0.20	UG/L	8021	06/28/2007 13:22	LMW
o-Xylene	ND		0.20	UG/L	8021	06/28/2007 13:22	LMW
p-Cymene	ND		0.40	UG/L	8021	06/28/2007 13:22	LMW
p-Xylene	ND		0.40	UG/L	8021	06/28/2007 13:22	LMW
sec-Butylbenzene	ND		0.40	UG/L	8021	06/28/2007 13:22	LMW

Sample ID: POST-CARBON
Lab Sample ID: A7688201
Date Collected: 06/20/2007
Time Collected: 11:35

Date Received: 06/20/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
Toluene	ND		0.20	UG/L	8021	06/28/2007 13:22	LMW
Total Xylenes	ND		0.60	UG/L	8021	06/28/2007 13:22	LMW
Metals Analysis							
Iron - Total	219		50.0	UG/L	200.7	06/22/2007 22:50	AK
Wet Chemistry Analysis							
Cyanide - Total	0.35		0.010	MG/L	335.2	06/22/2007 10:45	LRM
pH	7.6		0.50	S.U.	150.1	06/20/2007 18:50	SM

Sample ID: PRE-CARBON
Lab Sample ID: A7688202
Date Collected: 06/20/2007
Time Collected: 11:35

Date Received: 06/20/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Calcium - Total	139000		500	UG/L	200.7	06/22/2007 23:08	AK
Iron - Total	1180		50.0	UG/L	200.7	06/22/2007 23:08	AK
Magnesium - Total	81400		200	UG/L	200.7	06/22/2007 23:08	AK
Potassium - Total	3990		500	UG/L	200.7	06/22/2007 23:08	AK
Sodium - Total	60400		1000	UG/L	200.7	06/22/2007 23:08	AK
Wet Chemistry Analysis							
Chloride	122		2.5	MG/L	300.0	06/21/2007 10:38	AEG
Sulfate	206		10	MG/L	300.0	06/21/2007 10:38	AEG
Total Alkalinity	519		70.0	MG/L	310.2	06/23/2007 10:19	RLG

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ART KOSKE		6-20-07	349194
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
NYS DEC - GASTOWN			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	T. METALS	T. FE	CL	SO4	TALK	GAS VOA	TCL VOAS	PH	TCN	Special Instructions/ Conditions of Receipt
PRE CARBON	6-20-07	11:35		X					1				X	X								
PRE CARBON	6-20-07	11:35		X			1								X	X						
PRE CARBON	6-20-07	11:35		X			1										X					
POST CARBON	6-20-07	11:35		X						3								X	X			
POST CARBON	6-20-07	11:35		X			1													X		
POST CARBON	6-20-07	11:35		X					1					X								
POST CARBON	6-20-07	11:35		X							1										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)

	Date	Time		Date	Time
1. Relinquished By	6/20/07	1200	1. Received By STL BUFFALO	6/20/07	1200
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

2.4°C

14/14

STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A07-8454

Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT
Task: NYSDEC Spills - Gastown WWTP

Mr. Glenn May
NYSDEC - Region 9
270 Michigan Ave
Buffalo, NY 14203

CC: Mr. Charles B. Guzzetta

STL Buffalo

Brian J. Fischer
Project Manager

08/14/2007

STL Buffalo
Current Certifications

As of 5/16/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7845401	POST-CARBON	GW	07/27/2007	14:45	07/27/2007	15:30
A7845402	PRE-CARBON	GW	07/27/2007	14:45	07/27/2007	15:30

METHODS SUMMARY

Job#: A07-8454

Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

PARAMETER	ANALYTICAL METHOD
NYSDEC - SW8463 8260/5 ML	SW8463 8260
METHOD 8021 - VOLATILE ORGANICS - STARS	SW8463 8021
Calcium - Total	MCAWW 200.7
Iron - Total	MCAWW 200.7
Magnesium - Total	MCAWW 200.7
Potassium - Total	MCAWW 200.7
Sodium - Total	MCAWW 200.7
Chloride	MCAWW 300.0
Cyanide - Total	MCAWW 335.2
pH	MCAWW 150.1
Sulfate	MCAWW 300.0
Total Alkalinity	MCAWW 310.2

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A07-8454

Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

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. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A07-8454
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

The analyte Calcium was detected in the Method Blank (A7B1183101) at a level above the project established reporting limit. However, all samples had levels of Calcium greater than ten times that of the Method Blank value, therefore, no corrective action was necessary.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"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 above. 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 J. Fischer
Project Manager

8-15-07
Date

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
PRE-CARBON	A7845402	Chloride	5.00	008
PRE-CARBON	A7845402	Sulfate	5.00	008
PRE-CARBON	A7845402	Total Alkalinity	7.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: POST-CARBON
Lab Sample ID: A7845401
Date Collected: 07/27/2007
Time Collected: 14:45

Date Received: 07/27/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		5	UG/L	8260	08/01/2007 11:51	LH
1,1,2,2-Tetrachloroethane	ND		5	UG/L	8260	08/01/2007 11:51	LH
1,1,2-Trichloroethane	ND		5	UG/L	8260	08/01/2007 11:51	LH
1,1-Dichloroethane	ND		5	UG/L	8260	08/01/2007 11:51	LH
1,1-Dichloroethene	ND		5	UG/L	8260	08/01/2007 11:51	LH
1,2-Dichloroethane	ND		5	UG/L	8260	08/01/2007 11:51	LH
1,2-Dichloroethene (Total)	ND		10	UG/L	8260	08/01/2007 11:51	LH
1,2-Dichloropropane	ND		5	UG/L	8260	08/01/2007 11:51	LH
2-Butanone	ND		25	UG/L	8260	08/01/2007 11:51	LH
2-Hexanone	ND		25	UG/L	8260	08/01/2007 11:51	LH
4-Methyl-2-pentanone	ND		25	UG/L	8260	08/01/2007 11:51	LH
Acetone	ND		25	UG/L	8260	08/01/2007 11:51	LH
Benzene	2	J	5	UG/L	8260	08/01/2007 11:51	LH
Bromodichloromethane	ND		5	UG/L	8260	08/01/2007 11:51	LH
Bromoform	ND		5	UG/L	8260	08/01/2007 11:51	LH
Bromomethane	ND		5	UG/L	8260	08/01/2007 11:51	LH
Carbon Disulfide	ND		5	UG/L	8260	08/01/2007 11:51	LH
Carbon Tetrachloride	ND		5	UG/L	8260	08/01/2007 11:51	LH
Chlorobenzene	ND		5	UG/L	8260	08/01/2007 11:51	LH
Chloroethane	ND		5	UG/L	8260	08/01/2007 11:51	LH
Chloroform	ND		5	UG/L	8260	08/01/2007 11:51	LH
Chloromethane	ND		5	UG/L	8260	08/01/2007 11:51	LH
cis-1,3-Dichloropropene	ND		5	UG/L	8260	08/01/2007 11:51	LH
Dibromochloromethane	ND		5	UG/L	8260	08/01/2007 11:51	LH
Ethylbenzene	ND		5	UG/L	8260	08/01/2007 11:51	LH
Methylene chloride	ND		5	UG/L	8260	08/01/2007 11:51	LH
Styrene	ND		5	UG/L	8260	08/01/2007 11:51	LH
Tetrachloroethene	ND		5	UG/L	8260	08/01/2007 11:51	LH
Toluene	ND		5	UG/L	8260	08/01/2007 11:51	LH
Total Xylenes	ND		15	UG/L	8260	08/01/2007 11:51	LH
trans-1,3-Dichloropropene	ND		5	UG/L	8260	08/01/2007 11:51	LH
Trichloroethene	ND		5	UG/L	8260	08/01/2007 11:51	LH
Vinyl acetate	ND		25	UG/L	8260	08/01/2007 11:51	LH
Vinyl chloride	4	J	5	UG/L	8260	08/01/2007 11:51	LH
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	ND		0.20	UG/L	8021	08/02/2007 20:08	LMW
1,3,5-Trimethylbenzene	ND		0.20	UG/L	8021	08/02/2007 20:08	LMW
Benzene	1.6		0.20	UG/L	8021	08/02/2007 20:08	LMW
Ethylbenzene	ND		0.20	UG/L	8021	08/02/2007 20:08	LMW
Isopropylbenzene	ND		0.20	UG/L	8021	08/02/2007 20:08	LMW
m-Xylene	ND		0.40	UG/L	8021	08/02/2007 20:08	LMW
Methyl-t-Butyl Ether (MTBE)	ND		0.40	UG/L	8021	08/02/2007 20:08	LMW
n-Butylbenzene	ND		0.40	UG/L	8021	08/02/2007 20:08	LMW
n-Propylbenzene	ND		0.20	UG/L	8021	08/02/2007 20:08	LMW
o-Xylene	ND		0.20	UG/L	8021	08/02/2007 20:08	LMW
p-Cymene	ND		0.40	UG/L	8021	08/02/2007 20:08	LMW
p-Xylene	ND		0.40	UG/L	8021	08/02/2007 20:08	LMW
sec-Butylbenzene	ND		0.40	UG/L	8021	08/02/2007 20:08	LMW

Sample ID: POST-CARBON
Lab Sample ID: A7845401
Date Collected: 07/27/2007
Time Collected: 14:45

Date Received: 07/27/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
Toluene	ND		0.20	UG/L	8021	08/02/2007 20:08	LMW
Total Xylenes	ND		0.60	UG/L	8021	08/02/2007 20:08	LMW
Metals Analysis							
Iron - Total	281		50.0	UG/L	200.7	08/01/2007 19:59	AK
Wet Chemistry Analysis							
Cyanide - Total	0.48		0.010	MG/L	335.2	08/01/2007 12:00	LRM
pH	7.8		0.50	S.U.	150.1	07/27/2007 20:01	RM

Sample ID: PRE-CARBON
Lab Sample ID: A7845402
Date Collected: 07/27/2007
Time Collected: 14:45

Date Received: 07/27/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Calcium - Total	164000		500	UG/L	200.7	08/01/2007 20:05	AK
Iron - Total	5640		50.0	UG/L	200.7	08/01/2007 20:05	AK
Magnesium - Total	97000		200	UG/L	200.7	07/31/2007 21:15	AK
Potassium - Total	5560		500	UG/L	200.7	07/31/2007 21:15	AK
Sodium - Total	77800		1000	UG/L	200.7	07/31/2007 21:15	AK
Wet Chemistry Analysis							
Chloride	132		2.5	MG/L	300.0	08/10/2007 12:21	AEG
Sulfate	179		10	MG/L	300.0	08/10/2007 12:21	AEG
Total Alkalinity	572		70.0	MG/L	310.2	07/29/2007 07:48	RLG

Chain of Custody Record

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ART KOSKE		7-27-07	348821
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
City / State / Zip Code	**Site Contact / Lab Contact**		
Project Name and Location (State)	**Carrier/Waybill Number**		
NYS DEC - GASTOWN			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: T. METALS	T. FE	CL	SO4	TALK	GAS VOA	TCL VOA	PH	TCN	Special Instructions/ Conditions of Receipt
PRE CARBON	7-27-07	14:45		X					1				X	X								
PRE CARBON	7-27-07	14:45		X			1								X	X						
PRE CARBON	7-27-07	14:45		X			1										X					
POST CARBON	7-27-07	14:45		X						8								X	X			
POST CARBON	7-27-07	14:45		X			1													X		
POST CARBON	7-27-07	14:45		X					1					X							3	
POST CARBON	7-27-07	14:45		X							1										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)

	Date	Time		Date	Time
1. Relinquished By	7-27-07	15:30	1. Received By	7/27/07	1530
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 2.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

12/12

STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A07-9756,A07-9761

Project#: NY5A946109
SDG#: 9756
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT
Task: NYSDEC Spills - Gastown WWTP

Mr. Glenn May
NYSDEC - Region 9
270 Michigan Ave
Buffalo, NY 14203

CC: Mr. Charles B. Guzzetta

STL Buffalo

Brian J. Fischer
Project Manager

09/14/2007

STL Buffalo
Current Certifications

As of 5/16/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7975601	POST-CARBON	GW	08/30/2007	11:30	08/30/2007	13:05
A7976101	POST-CARBON	GW	08/30/2007	10:00	08/30/2007	13:05
A7976102	POST-CARBON	GW	08/30/2007	11:30	08/30/2007	13:05
A7975602	PRE-CARBON	GW	08/30/2007	10:00	08/30/2007	13:05

METHODS SUMMARY

Job#: A07-9756,A07-9761

Project#: NY5A946109
SDG#: 9756
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

PARAMETER	ANALYTICAL METHOD
NYSDEC - SW8463 8260/5 ML	SW8463 8260
METHOD 8021 - VOLATILE ORGANICS - STARS	SW8463 8021
NYSDEC - METHOD 8270 Gastown	SW8463 8270
GASTOWN - METHOD 608 - P.P. PESTICIDES	CFR136 608PEST
Arsenic - Total	MCAWW 200.7
Calcium - Total	MCAWW 200.7
Iron - Total	MCAWW 200.7
Magnesium - Total	MCAWW 200.7
Manganese - Total	MCAWW 200.7
Potassium - Total	MCAWW 200.7
Sodium - Total	MCAWW 200.7
Zinc - Total	MCAWW 200.7
Biochemical Oxygen Demand	MCAWW 405.1
Chloride	MCAWW 300.0
Cyanide - Total	MCAWW 335.2
Oil & Grease	MCAWW 1664
pH	MCAWW 150.1
Sulfate	MCAWW 300.0
Total Alkalinity	MCAWW 310.2
Total Dissolved Solids	MCAWW 160.1
Total Recoverable Phenolics	MCAWW 420.2
Total Suspended Solids	MCAWW 160.2

References:

CFR136 Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, and Appendix A-C; 40 CFR Part 136, USEPA Office of Water.

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A07-9756,A07-9761

Project#: NY5A946109
SDG#: 9756
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

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. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A07-9756
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.
A07-9761
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC/MS Semivolatile Data

The analyte Indene was searched for as tentatively identified compounds (TIC's) and not found.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

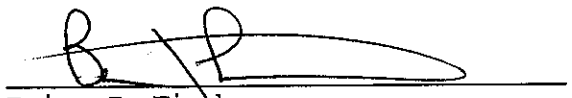
Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"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 above. 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 J. Fischer
Project Manager

9-14-07

Date

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
PRE-CARBON	A7975602	8021	200.00	008
PRE-CARBON	A7975602	8260	40.00	008
PRE-CARBON	A7975602	Chloride	5.00	008
PRE-CARBON	A7975602	Sulfate	5.00	008
PRE-CARBON	A7975602	Total Alkalinity	10.00	008
PRE-CARBON	A7975602DL	8260	200.00	008
POST-CARBON	A7976101	Cyanide - Total	2.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

Date: 09/14/2007 Requested Reporting Limits < Lab PQL Page: 1
Time: 13:46:33 Rept: AN1520

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab standard quantitation limit (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.

Method	Parameter	Unit	Client RL	Lab PQL
420.2	Total Recoverable Phenolics	MG/L	0.0050	0.010

STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: POST-CARBON
Lab Sample ID: A7975601
Date Collected: 08/30/2007
Time Collected: 11:30

Date Received: 08/30/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		5	UG/L	8260	09/10/2007 00:25	RJ
1,1,2,2-Tetrachloroethane	ND		5	UG/L	8260	09/10/2007 00:25	RJ
1,1,2-Trichloroethane	ND		5	UG/L	8260	09/10/2007 00:25	RJ
1,1-Dichloroethane	ND		5	UG/L	8260	09/10/2007 00:25	RJ
1,1-Dichloroethene	ND		5	UG/L	8260	09/10/2007 00:25	RJ
1,2-Dichloroethane	ND		5	UG/L	8260	09/10/2007 00:25	RJ
1,2-Dichloroethene (Total)	ND		10	UG/L	8260	09/10/2007 00:25	RJ
1,2-Dichloropropane	ND		5	UG/L	8260	09/10/2007 00:25	RJ
2-Butanone	ND		25	UG/L	8260	09/10/2007 00:25	RJ
2-Hexanone	ND		25	UG/L	8260	09/10/2007 00:25	RJ
4-Methyl-2-pentanone	ND		25	UG/L	8260	09/10/2007 00:25	RJ
Acetone	ND		25	UG/L	8260	09/10/2007 00:25	RJ
Benzene	2	J	5	UG/L	8260	09/10/2007 00:25	RJ
Bromodichloromethane	ND		5	UG/L	8260	09/10/2007 00:25	RJ
Bromoform	ND		5	UG/L	8260	09/10/2007 00:25	RJ
Bromomethane	ND		5	UG/L	8260	09/10/2007 00:25	RJ
Carbon Disulfide	ND		5	UG/L	8260	09/10/2007 00:25	RJ
Carbon Tetrachloride	ND		5	UG/L	8260	09/10/2007 00:25	RJ
Chlorobenzene	ND		5	UG/L	8260	09/10/2007 00:25	RJ
Chloroethane	ND		5	UG/L	8260	09/10/2007 00:25	RJ
Chloroform	ND		5	UG/L	8260	09/10/2007 00:25	RJ
Chloromethane	ND		5	UG/L	8260	09/10/2007 00:25	RJ
cis-1,3-Dichloropropene	ND		5	UG/L	8260	09/10/2007 00:25	RJ
Dibromochloromethane	ND		5	UG/L	8260	09/10/2007 00:25	RJ
Ethylbenzene	ND		5	UG/L	8260	09/10/2007 00:25	RJ
Methylene chloride	ND		5	UG/L	8260	09/10/2007 00:25	RJ
Styrene	ND		5	UG/L	8260	09/10/2007 00:25	RJ
Tetrachloroethene	ND		5	UG/L	8260	09/10/2007 00:25	RJ
Toluene	0.6	J	5	UG/L	8260	09/10/2007 00:25	RJ
Total Xylenes	ND		15	UG/L	8260	09/10/2007 00:25	RJ
trans-1,3-Dichloropropene	ND		5	UG/L	8260	09/10/2007 00:25	RJ
Trichloroethene	ND		5	UG/L	8260	09/10/2007 00:25	RJ
Vinyl acetate	ND		25	UG/L	8260	09/10/2007 00:25	RJ
Vinyl chloride	5		5	UG/L	8260	09/10/2007 00:25	RJ
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	ND		0.20	UG/L	8021	09/09/2007 17:48	LMW
1,3,5-Trimethylbenzene	ND		0.20	UG/L	8021	09/09/2007 17:48	LMW
Benzene	1.2		0.20	UG/L	8021	09/09/2007 17:48	LMW
Ethylbenzene	ND		0.20	UG/L	8021	09/09/2007 17:48	LMW
Isopropylbenzene	ND		0.20	UG/L	8021	09/09/2007 17:48	LMW
m-Xylene	ND		0.40	UG/L	8021	09/09/2007 17:48	LMW
Methyl-t-Butyl Ether (MTBE)	ND		0.40	UG/L	8021	09/09/2007 17:48	LMW
n-Butylbenzene	ND		0.40	UG/L	8021	09/09/2007 17:48	LMW
n-Propylbenzene	ND		0.20	UG/L	8021	09/09/2007 17:48	LMW
o-Xylene	ND		0.20	UG/L	8021	09/09/2007 17:48	LMW
p-Cymene	ND		0.40	UG/L	8021	09/09/2007 17:48	LMW
p-Xylene	ND		0.40	UG/L	8021	09/09/2007 17:48	LMW
sec-Butylbenzene	ND		0.40	UG/L	8021	09/09/2007 17:48	LMW

Sample ID: POST-CARBON
Lab Sample ID: A7975601
Date Collected: 08/30/2007
Time Collected: 11:30

Date Received: 08/30/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
Toluene	0.35		0.20	UG/L	8021	09/09/2007 17:48	LMW
Total Xylenes	ND		0.60	UG/L	8021	09/09/2007 17:48	LMW
NYSDEC - GASTOWN WWTP LIST/8270 - W							
2-Methylnaphthalene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Acenaphthene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Acenaphthylene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Anthracene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Benzo(a)anthracene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Benzo(a)pyrene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Benzo(b)fluoranthene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Benzo(ghi)perylene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Benzo(k)fluoranthene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Biphenyl	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Bis(2-ethylhexyl) phthalate	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Carbazole	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Chrysene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Dibenzo(a,h)anthracene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Dibenzofuran	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Fluoranthene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Fluorene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Indene (TIC)	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Indeno(1,2,3-cd)pyrene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Naphthalene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Pentachlorophenol	ND		47	UG/L	8270	09/05/2007 19:10	MD
Phenanthrene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
Phenol	ND		47	UG/L	8270	09/05/2007 19:10	MD
Pyrene	ND		9.5	UG/L	8270	09/05/2007 19:10	MD
GASTOWN - AQUEOUS-CFR136 608 - P.P. PESTICIDE							
4,4'-DDD	ND		0.047	UG/L	608PEST	09/05/2007 19:57	TCH
4,4'-DDE	ND		0.047	UG/L	608PEST	09/05/2007 19:57	TCH
4,4'-DDT	ND		0.047	UG/L	608PEST	09/05/2007 19:57	TCH
Aldrin	ND		0.047	UG/L	608PEST	09/05/2007 19:57	TCH
alpha-BHC	ND		0.047	UG/L	608PEST	09/05/2007 19:57	TCH
beta-BHC	ND		0.047	UG/L	608PEST	09/05/2007 19:57	TCH
Chlordane	ND		0.47	UG/L	608PEST	09/05/2007 19:57	TCH
delta-BHC	ND		0.047	UG/L	608PEST	09/05/2007 19:57	TCH
Dieldrin	ND		0.047	UG/L	608PEST	09/05/2007 19:57	TCH
Endosulfan I	ND		0.047	UG/L	608PEST	09/05/2007 19:57	TCH
Endosulfan II	ND		0.047	UG/L	608PEST	09/05/2007 19:57	TCH
Endosulfan Sulfate	ND		0.047	UG/L	608PEST	09/05/2007 19:57	TCH
Endrin	ND		0.047	UG/L	608PEST	09/05/2007 19:57	TCH
Endrin aldehyde	ND		0.047	UG/L	608PEST	09/05/2007 19:57	TCH
gamma-BHC (Lindane)	ND		0.047	UG/L	608PEST	09/05/2007 19:57	TCH
Heptachlor	ND		0.047	UG/L	608PEST	09/05/2007 19:57	TCH
Heptachlor epoxide	ND		0.047	UG/L	608PEST	09/05/2007 19:57	TCH
Toxaphene	ND		0.95	UG/L	608PEST	09/05/2007 19:57	TCH

Sample ID: POST-CARBON
Lab Sample ID: A7975601
Date Collected: 08/30/2007
Time Collected: 11:30

Date Received: 08/30/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Arsenic - Total	ND		10	UG/L	200.7	09/05/2007 18:03	TWS
Iron - Total	406		50.0	UG/L	200.7	09/05/2007 18:03	TWS
Manganese - Total	442		3.0	UG/L	200.7	09/05/2007 18:03	TWS
Zinc - Total	96.2		10	UG/L	200.7	09/05/2007 18:03	TWS
Wet Chemistry Analysis							
Biochemical Oxygen Demand	ND		2.0	MG/L	405.1	08/30/2007 17:00	RLG
Oil & Grease	ND		5.0	MG/L	1664	09/01/2007 10:00	DRP
pH	7.6		0.50	S.U.	150.1	08/30/2007 20:38	DRP
Total Dissolved Solids	1110		10	MG/L	160.1	08/31/2007 17:10	RM
Total Suspended Solids	ND		4.0	MG/L	160.2	09/01/2007 09:06	RM

Sample ID: POST-CARBON
Lab Sample ID: A7976101
Date Collected: 08/30/2007
Time Collected: 10:00

Date Received: 08/30/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Wet Chemistry Analysis							
Cyanide - Total	0.73		0.020	MG/L	335.2	09/04/2007 09:30	LRM

Sample ID: POST-CARBON
Lab Sample ID: A7976102
Date Collected: 08/30/2007
Time Collected: 11:30

Date Received: 08/30/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Wet Chemistry Analysis							
Total Recoverable Phenolics	ND		0.0050	MG/L	420.2	09/07/2007 15:14	RLG

Sample ID: PRE-CARBON
Lab Sample ID: A7975602
Date Collected: 08/30/2007
Time Collected: 10:00

Date Received: 08/30/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		200	UG/L	8260	09/10/2007 00:56	RJ
1,1,2,2-Tetrachloroethane	ND		200	UG/L	8260	09/10/2007 00:56	RJ
1,1,2-Trichloroethane	ND		200	UG/L	8260	09/10/2007 00:56	RJ
1,1-Dichloroethane	ND		200	UG/L	8260	09/10/2007 00:56	RJ
1,1-Dichloroethene	ND		200	UG/L	8260	09/10/2007 00:56	RJ
1,2-Dichloroethane	ND		200	UG/L	8260	09/10/2007 00:56	RJ
1,2-Dichloroethene (Total)	ND		400	UG/L	8260	09/10/2007 00:56	RJ
1,2-Dichloropropane	ND		200	UG/L	8260	09/10/2007 00:56	RJ
2-Butanone	ND		1000	UG/L	8260	09/10/2007 00:56	RJ
2-Hexanone	ND		1000	UG/L	8260	09/10/2007 00:56	RJ
4-Methyl-2-pentanone	ND		1000	UG/L	8260	09/10/2007 00:56	RJ
Acetone	ND		1000	UG/L	8260	09/10/2007 00:56	RJ
Benzene	11000	E	200	UG/L	8260	09/10/2007 00:56	RJ
Bromodichloromethane	ND		200	UG/L	8260	09/10/2007 00:56	RJ
Bromoform	ND		200	UG/L	8260	09/10/2007 00:56	RJ
Bromomethane	ND		200	UG/L	8260	09/10/2007 00:56	RJ
Carbon Disulfide	ND		200	UG/L	8260	09/10/2007 00:56	RJ
Carbon Tetrachloride	ND		200	UG/L	8260	09/10/2007 00:56	RJ
Chlorobenzene	ND		200	UG/L	8260	09/10/2007 00:56	RJ
Chloroethane	ND		200	UG/L	8260	09/10/2007 00:56	RJ
Chloroform	ND		200	UG/L	8260	09/10/2007 00:56	RJ
Chloromethane	ND		200	UG/L	8260	09/10/2007 00:56	RJ
cis-1,3-Dichloropropene	ND		200	UG/L	8260	09/10/2007 00:56	RJ
Dibromochloromethane	ND		200	UG/L	8260	09/10/2007 00:56	RJ
Ethylbenzene	650		200	UG/L	8260	09/10/2007 00:56	RJ
Methylene chloride	ND		200	UG/L	8260	09/10/2007 00:56	RJ
Styrene	320		200	UG/L	8260	09/10/2007 00:56	RJ
Tetrachloroethene	ND		200	UG/L	8260	09/10/2007 00:56	RJ
Toluene	1400		200	UG/L	8260	09/10/2007 00:56	RJ
Total Xylenes	450	J	600	UG/L	8260	09/10/2007 00:56	RJ
trans-1,3-Dichloropropene	ND		200	UG/L	8260	09/10/2007 00:56	RJ
Trichloroethene	ND		200	UG/L	8260	09/10/2007 00:56	RJ
Vinyl acetate	ND		1000	UG/L	8260	09/10/2007 00:56	RJ
Vinyl chloride	ND		200	UG/L	8260	09/10/2007 00:56	RJ
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	ND		6.9	UG/L	8021	09/09/2007 18:20	LMW
1,3,5-Trimethylbenzene	ND		5.9	UG/L	8021	09/09/2007 18:20	LMW
Benzene	7000		4.7	UG/L	8021	09/09/2007 18:20	LMW
Ethylbenzene	280		5.7	UG/L	8021	09/09/2007 18:20	LMW
Isopropylbenzene	ND		5.4	UG/L	8021	09/09/2007 18:20	LMW
m-Xylene	140	1	11	UG/L	8021	09/09/2007 18:20	LMW
Methyl-t-Butyl Ether (MTBE)	ND		8.7	UG/L	8021	09/09/2007 18:20	LMW
n-Butylbenzene	ND		6.2	UG/L	8021	09/09/2007 18:20	LMW
n-Propylbenzene	ND		5.7	UG/L	8021	09/09/2007 18:20	LMW
o-Xylene	ND		5.4	UG/L	8021	09/09/2007 18:20	LMW
p-Cymene	ND		5.9	UG/L	8021	09/09/2007 18:20	LMW
p-Xylene	ND	1	11	UG/L	8021	09/09/2007 18:20	LMW
sec-Butylbenzene	ND		4.1	UG/L	8021	09/09/2007 18:20	LMW

Sample ID: PRE-CARBON
Lab Sample ID: A7975602
Date Collected: 08/30/2007
Time Collected: 10:00

Date Received: 08/30/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
Toluene	740		7.1	UG/L	8021	09/09/2007 18:20	LMW
Total Xylenes	140		16	UG/L	8021	09/09/2007 18:20	LMW
Metals Analysis							
Calcium - Total	166000		500	UG/L	200.7	09/05/2007 18:08	TWS
Iron - Total	1270		50.0	UG/L	200.7	09/05/2007 18:08	TWS
Magnesium - Total	114000		200	UG/L	200.7	09/05/2007 18:08	TWS
Potassium - Total	4890		500	UG/L	200.7	09/05/2007 18:08	TWS
Sodium - Total	67700		1000	UG/L	200.7	09/05/2007 18:08	TWS
Wet Chemistry Analysis							
Chloride	126		2.5	MG/L	300.0	09/05/2007 19:02	AEG
Sulfate	252		10	MG/L	300.0	09/05/2007 19:02	AEG
Total Alkalinity	721		100	MG/L	310.2	08/31/2007 17:28	RLG

Sample ID: PRE-CARBON
Lab Sample ID: A7975602DL
Date Collected: 08/30/2007
Time Collected: 10:00

Date Received: 08/30/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
1,1,2,2-Tetrachloroethane	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
1,1,2-Trichloroethane	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
1,1-Dichloroethane	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
1,1-Dichloroethene	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
1,2-Dichloroethane	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
1,2-Dichloroethene (Total)	ND		2000	UG/L	8260	09/10/2007 12:01	BJ
1,2-Dichloropropane	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
2-Butanone	ND		5000	UG/L	8260	09/10/2007 12:01	BJ
2-Hexanone	ND		5000	UG/L	8260	09/10/2007 12:01	BJ
4-Methyl-2-pentanone	ND		5000	UG/L	8260	09/10/2007 12:01	BJ
Acetone	ND		5000	UG/L	8260	09/10/2007 12:01	BJ
Benzene	11000	D	1000	UG/L	8260	09/10/2007 12:01	BJ
Bromodichloromethane	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
Bromoform	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
Bromomethane	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
Carbon Disulfide	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
Carbon Tetrachloride	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
Chlorobenzene	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
Chloroethane	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
Chloroform	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
Chloromethane	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
cis-1,3-Dichloropropene	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
Dibromochloromethane	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
Ethylbenzene	600	DJ	1000	UG/L	8260	09/10/2007 12:01	BJ
Methylene chloride	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
Styrene	290	DJ	1000	UG/L	8260	09/10/2007 12:01	BJ
Tetrachloroethene	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
Toluene	1300	D	1000	UG/L	8260	09/10/2007 12:01	BJ
Total Xylenes	420	DJ	3000	UG/L	8260	09/10/2007 12:01	BJ
trans-1,3-Dichloropropene	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
Trichloroethene	ND		1000	UG/L	8260	09/10/2007 12:01	BJ
Vinyl acetate	ND		5000	UG/L	8260	09/10/2007 12:01	BJ
Vinyl chloride	ND		1000	UG/L	8260	09/10/2007 12:01	BJ

Chain of Custody Record

92550

81605

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

STL4149 (1202)

Client	Project Manager	Date	Page 1 of 2
ART KOSKE		8-30-07	
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	**Analysis**
City / State / Zip Code	**Site Contact**		
Project Number/Name NYSDEC - GASTOWN	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote Number			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	T METALS	T 1200	CL	SO4	TALK	TCL VOAS	GAS VOAS	8270 GAS PP TEST	HEM	BOD	TDS	TSSOLIDS	PH
PRE CARBON	8-30-07	10:00	NPW	8 oz	P	1	HNO3		X	X											
PRE CARBON	8-30-07	10:00	NPW	16 oz	P	1	cool <=6°C				X	X									
PRE CARBON	8-30-07	10:00	NPW	8 oz	P	1	cool <=6°C						X								
PRE CARBON	8-30-07	10:00	NPW	40 mL	V	8	HCL							X	X						
POST CARBON	8-30-07	11:30	NPW	40 mL	V	8	HCL							X	X						
POST CARBON	8-30-07	11:30	NPW	1L	GA	3	cool <=4°C									X	X				
POST CARBON	8-30-07	11:30	NPW	32 oz	GN	1	[redacted]	H2SO4										X			
POST CARBON	8-30-07	11:30	NPW	1L	P	1	cool <=6°C												X		
POST CARBON	8-30-07	11:30	NPW	16 oz	P	1	cool <=6°C													X	X	X
POST CARBON	8-30-07	11:30	NPW	8 oz	P	1	HNO3		X	X											

Special Instructions

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 3 months)

Turn Around Time Required

☒ Normal ☐ Rush ☐ Other _____

QC Level

☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	8-30-07	13:05	1. Received By	8/30/07	1305
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

2.0 c

19/20

DISTRIBUTION: WHITE - Stays with the Sample: CANARY - Returned to Client with Report: PINK - Field Copy

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ART KOSKE		8-30-07	251326
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
NYS DEC GASTOWN			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCN	T PHENOLS	Special Instructions/ Conditions of Receipt
POST CARBON	8-30-07	10:00		X							1		X		
POST CARBON	8-30-07	11:30		X				1						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)

	Date	Time		Date	Time
1. Relinquished By	8-30-07	13:05	1. Received By	8/30/07	1305
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

2.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

20/20

SDG NARRATIVE

Job#: A07-B050

Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

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. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A07-B050
Sample Cooler(s) were received at the following temperature(s); 2.8 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

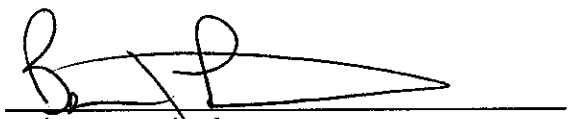
Wet Chemistry Data

The value obtained for Chloride on sample PRE-CARBON is inconsistent with historical trends. Reanalysis was performed and the value was confirmed.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"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 above. 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 J. Fischer
Project Manager

10-12-07
Date

Sample ID: POST-CARBON
Lab Sample ID: A7B05001
Date Collected: 09/28/2007
Time Collected: 09:30

Date Received: 09/28/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		5	UG/L	8260	10/11/2007 16:20	BJ
1,1,2,2-Tetrachloroethane	ND		5	UG/L	8260	10/11/2007 16:20	BJ
1,1,2-Trichloroethane	ND		5	UG/L	8260	10/11/2007 16:20	BJ
1,1-Dichloroethane	ND		5	UG/L	8260	10/11/2007 16:20	BJ
1,1-Dichloroethene	ND		5	UG/L	8260	10/11/2007 16:20	BJ
1,2-Dichloroethane	ND		5	UG/L	8260	10/11/2007 16:20	BJ
1,2-Dichloroethene (Total)	ND		10	UG/L	8260	10/11/2007 16:20	BJ
1,2-Dichloropropane	ND		5	UG/L	8260	10/11/2007 16:20	BJ
2-Butanone	ND		25	UG/L	8260	10/11/2007 16:20	BJ
2-Hexanone	ND		25	UG/L	8260	10/11/2007 16:20	BJ
4-Methyl-2-pentanone	ND		25	UG/L	8260	10/11/2007 16:20	BJ
Acetone	ND		25	UG/L	8260	10/11/2007 16:20	BJ
Benzene	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Bromodichloromethane	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Bromoform	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Bromomethane	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Carbon Disulfide	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Carbon Tetrachloride	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Chlorobenzene	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Chloroethane	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Chloroform	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Chloromethane	ND		5	UG/L	8260	10/11/2007 16:20	BJ
cis-1,3-Dichloropropene	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Dibromochloromethane	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Ethylbenzene	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Methylene chloride	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Styrene	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Tetrachloroethene	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Toluene	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Total Xylenes	ND		15	UG/L	8260	10/11/2007 16:20	BJ
trans-1,3-Dichloropropene	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Trichloroethene	ND		5	UG/L	8260	10/11/2007 16:20	BJ
Vinyl acetate	ND		25	UG/L	8260	10/11/2007 16:20	BJ
Vinyl chloride	3	J	5	UG/L	8260	10/11/2007 16:20	BJ
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	ND		0.20	UG/L	8021	10/05/2007 17:37	LMW
1,3,5-Trimethylbenzene	ND		0.20	UG/L	8021	10/05/2007 17:37	LMW
Benzene	ND		0.20	UG/L	8021	10/05/2007 17:37	LMW
Ethylbenzene	ND		0.20	UG/L	8021	10/05/2007 17:37	LMW
Isopropylbenzene	ND		0.20	UG/L	8021	10/05/2007 17:37	LMW
m-Xylene	ND		0.40	UG/L	8021	10/05/2007 17:37	LMW
Methyl-t-Butyl Ether (MTBE)	ND		0.40	UG/L	8021	10/05/2007 17:37	LMW
n-Butylbenzene	ND		0.40	UG/L	8021	10/05/2007 17:37	LMW
n-Propylbenzene	ND		0.20	UG/L	8021	10/05/2007 17:37	LMW
o-Xylene	ND		0.20	UG/L	8021	10/05/2007 17:37	LMW
p-Cymene	ND		0.40	UG/L	8021	10/05/2007 17:37	LMW
p-Xylene	ND		0.40	UG/L	8021	10/05/2007 17:37	LMW
sec-Butylbenzene	ND		0.40	UG/L	8021	10/05/2007 17:37	LMW

Sample ID: POST-CARBON
Lab Sample ID: A7B05001
Date Collected: 09/28/2007
Time Collected: 09:30

Date Received: 09/28/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
Toluene	ND		0.20	UG/L	8021	10/05/2007 17:37	LMW
Total Xylenes	ND		0.60	UG/L	8021	10/05/2007 17:37	LMW
Metals Analysis							
Iron - Total	116		50.0	UG/L	200.7	10/02/2007 19:40	AH
Wet Chemistry Analysis							
Cyanide - Total	0.14		0.010	MG/L	335.2	10/04/2007 14:23	ERK
pH	7.5		0.50	S.U.	150.1	09/28/2007 17:00	DRP

Sample ID: PRE-CARBON
Lab Sample ID: A7B05002
Date Collected: 09/28/2007
Time Collected: 09:30

Date Received: 09/28/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Calcium - Total	96200		500	UG/L	200.7	10/02/2007 19:45	AH
Iron - Total	1350		50.0	UG/L	200.7	10/02/2007 19:45	AH
Magnesium - Total	41900		200	UG/L	200.7	10/02/2007 19:45	AH
Potassium - Total	3910		500	UG/L	200.7	10/02/2007 19:45	AH
Sodium - Total	46900		1000	UG/L	200.7	10/02/2007 19:45	AH
Wet Chemistry Analysis							
Chloride	75.0		2.5	MG/L	300.0	10/09/2007 12:04	AEG
Sulfate	120		10	MG/L	300.0	10/09/2007 12:04	AEG
Total Alkalinity	331		50.0	MG/L	310.2	09/30/2007 09:18	RLG

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ART KOSKE		9-28-07	358137
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
NYS DEC - GASTOWN			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	T METALS	T FE	SO4	[redacted]	CL	TALK	GAS VOA	TCL VOAS	PH	T CN
PRE CARBON	9-28-07	9:30		X					1				X	X								
PRE CARBON	9-28-07	9:30		X			1								X	[redacted]	X					
PRE CARBON	9-28-07	9:30		X			1											X				
POST CARBON	9-28-07	9:30		X						8									X	X		
POST CARBON	9-28-07	9:30		X			1														X	
POST CARBON	9-28-07	9:30		X					1					X								
POST CARBON	9-28-07	9:30		X							1											X

Special Instructions/ Conditions of Receipt

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	Date	Time	1. Received By	Date	Time
[signature]	9-28-07	10:40	[signature]	9/28/07	1040
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

2.8°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job#: A07-C238

Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT
Task: NYSDEC Spills - Gastown WWTP

Mr. Glenn May
NYSDEC - Region 9
270 Michigan Ave
Buffalo, NY 14203

CC: Mr. Charles B. Guzzetta

TestAmerica Laboratories Inc.

Brian J. Fischer
FOR Project Manager

11/06/2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Buffalo
Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

*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.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7C23801	POST-CARBON	GW	10/23/2007	10:25	10/23/2007	11:15
A7C23802	PRE-CARBON	GW	10/23/2007	09:45	10/23/2007	11:15

METHODS SUMMARY

Job#: A07-C238

Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

PARAMETER	ANALYTICAL METHOD
NYSDEC - SW8463 8260/5 ML	SW8463 8260
METHOD 8021 - VOLATILE ORGANICS - STARS	SW8463 8021
NYSDEC - METHOD 8270 Gastown	SW8463 8270
GASTOWN - METHOD 608 - P.P. PESTICIDES	CFR136 608PEST
Arsenic - Total	MCAWW 200.7
Calcium - Total	MCAWW 200.7
Iron - Total	MCAWW 200.7
Magnesium - Total	MCAWW 200.7
Manganese - Total	MCAWW 200.7
Potassium - Total	MCAWW 200.7
Sodium - Total	MCAWW 200.7
Zinc - Total	MCAWW 200.7
Biochemical Oxygen Demand	MCAWW 405.1
Chloride	MCAWW 300.0
Cyanide - Total	MCAWW 335.2
Oil & Grease	MCAWW 1664
pH	MCAWW 150.1
Sulfate	MCAWW 300.0
Total Alkalinity	MCAWW 310.2
Total Dissolved Solids	MCAWW 160.1
Total Recoverable Phenolics	MCAWW 420.2
Total Suspended Solids	MCAWW 160.2

References:

CFR136 Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, and Appendix A-C; 40 CFR Part 136, USEPA Office of Water.

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A07-C238

Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

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. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A07-C238
Sample Cooler(s) were received at the following temperature(s); 19.2 °C
Samples were received at a temperature of 19.2°C. However, ice was present in the cooler and as the samples were collected the same day, it was not possible for the samples to cool to 4°C prior to receipt. There is no impact on the data.

GC/MS Volatile Data

The recovery of the analyte Benzene in the Matrix Spike and in the Matrix Spike Duplicate of sample Pre-Carbon exceeded quality control limits. The Relative Percent Difference (RPD) between the Matrix Spike and the Matrix Spike duplicate of sample Pre-Carbon also exceeded quality control limits for the analyte Benzene. The Matrix Spike Blank recoveries were compliant, so no corrective action was performed.

GC Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC/MS Semivolatile Data

The analyte Indene was searched for as a tentatively identified compound (TIC's) and not found.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"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 above. 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 J. Fischer
For Project Manager

11/6/07
Date

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
POST-CARBON	A7C23801	Cyanide - Total	5.00	008
PRE-CARBON	A7C23802	8021	500.00	008
PRE-CARBON	A7C23802	8260	200.00	008
PRE-CARBON	A7C23802	Chloride	2.00	008
PRE-CARBON	A7C23802	Sulfate	5.00	008
PRE-CARBON	A7C23802	Total Alkalinity	10.00	008
PRE-CARBON	A7C23802MS	8260	200.00	008
PRE-CARBON	A7C23802SD	8260	200.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

Date: 11/06/2007 Requested Reporting Limits < Lab PQL Page: 1
Time: 09:39:08 Rept: AN1520

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab standard quantitation limit (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.

Method	Parameter	Unit	Client RL	Lab PQL
420.2	Total Recoverable Phenolics	MG/L	0.0050	0.010

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DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: POST-CARBON
Lab Sample ID: A7C23801
Date Collected: 10/23/2007
Time Collected: 10:25

Date Received: 10/23/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		5	UG/L	8260	11/01/2007 13:23	PQ
1,1,2,2-Tetrachloroethane	ND		5	UG/L	8260	11/01/2007 13:23	PQ
1,1,2-Trichloroethane	ND		5	UG/L	8260	11/01/2007 13:23	PQ
1,1-Dichloroethane	ND		5	UG/L	8260	11/01/2007 13:23	PQ
1,1-Dichloroethene	ND		5	UG/L	8260	11/01/2007 13:23	PQ
1,2-Dichloroethane	ND		5	UG/L	8260	11/01/2007 13:23	PQ
1,2-Dichloroethene (Total)	ND		10	UG/L	8260	11/01/2007 13:23	PQ
1,2-Dichloropropane	ND		5	UG/L	8260	11/01/2007 13:23	PQ
2-Butanone	ND		25	UG/L	8260	11/01/2007 13:23	PQ
2-Hexanone	ND		25	UG/L	8260	11/01/2007 13:23	PQ
4-Methyl-2-pentanone	ND		25	UG/L	8260	11/01/2007 13:23	PQ
Acetone	ND		25	UG/L	8260	11/01/2007 13:23	PQ
Benzene	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Bromodichloromethane	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Bromoform	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Bromomethane	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Carbon Disulfide	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Carbon Tetrachloride	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Chlorobenzene	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Chloroethane	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Chloroform	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Chloromethane	ND		5	UG/L	8260	11/01/2007 13:23	PQ
cis-1,3-Dichloropropene	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Dibromochloromethane	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Ethylbenzene	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Methylene chloride	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Styrene	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Tetrachloroethene	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Toluene	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Total Xylenes	ND		15	UG/L	8260	11/01/2007 13:23	PQ
trans-1,3-Dichloropropene	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Trichloroethene	ND		5	UG/L	8260	11/01/2007 13:23	PQ
Vinyl acetate	ND		25	UG/L	8260	11/01/2007 13:23	PQ
Vinyl chloride	4	J	5	UG/L	8260	11/01/2007 13:23	PQ
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	ND		0.20	UG/L	8021	10/24/2007 18:47	LMW
1,3,5-Trimethylbenzene	ND		0.20	UG/L	8021	10/24/2007 18:47	LMW
Benzene	ND		0.20	UG/L	8021	10/24/2007 18:47	LMW
Ethylbenzene	ND		0.20	UG/L	8021	10/24/2007 18:47	LMW
Isopropylbenzene	ND		0.20	UG/L	8021	10/24/2007 18:47	LMW
m-Xylene	ND		0.40	UG/L	8021	10/24/2007 18:47	LMW
Methyl-t-Butyl Ether (MTBE)	ND		0.40	UG/L	8021	10/24/2007 18:47	LMW
n-Butylbenzene	ND		0.40	UG/L	8021	10/24/2007 18:47	LMW
n-Propylbenzene	ND		0.20	UG/L	8021	10/24/2007 18:47	LMW
o-Xylene	ND		0.20	UG/L	8021	10/24/2007 18:47	LMW
p-Cymene	ND		0.40	UG/L	8021	10/24/2007 18:47	LMW
p-Xylene	ND		0.40	UG/L	8021	10/24/2007 18:47	LMW
sec-Butylbenzene	ND		0.40	UG/L	8021	10/24/2007 18:47	LMW

Sample ID: POST-CARBON
Lab Sample ID: A7C23801
Date Collected: 10/23/2007
Time Collected: 10:25

Date Received: 10/23/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
Toluene	ND		0.20	UG/L	8021	10/24/2007 18:47	LMW
Total Xylenes	ND		0.60	UG/L	8021	10/24/2007 18:47	LMW
NYSDEC - GASTOWN WWTP LIST/8270 - W							
2-Methylnaphthalene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Acenaphthene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Acenaphthylene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Anthracene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Benzo(a)anthracene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Benzo(a)pyrene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Benzo(b)fluoranthene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Benzo(ghi)perylene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Benzo(k)fluoranthene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Biphenyl	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Bis(2-ethylhexyl) phthalate	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Carbazole	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Chrysene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Dibenzo(a,h)anthracene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Dibenzofuran	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Fluoranthene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Fluorene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Indene (TIC)	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Indeno(1,2,3-cd)pyrene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Naphthalene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Pentachlorophenol	ND		47	UG/L	8270	10/25/2007 04:21	RM
Phenanthrene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
Phenol	ND		47	UG/L	8270	10/25/2007 04:21	RM
Pyrene	ND		9.5	UG/L	8270	10/25/2007 04:21	RM
GASTOWN - AQUEOUS-CFR136 608 - P.P. PESTICIDE							
4,4'-DDD	ND		0.047	UG/L	608PEST	10/25/2007 14:57	TCH
4,4'-DDE	ND		0.047	UG/L	608PEST	10/25/2007 14:57	TCH
4,4'-DDT	ND		0.047	UG/L	608PEST	10/25/2007 14:57	TCH
Aldrin	ND		0.047	UG/L	608PEST	10/25/2007 14:57	TCH
alpha-BHC	ND		0.047	UG/L	608PEST	10/25/2007 14:57	TCH
beta-BHC	ND		0.047	UG/L	608PEST	10/25/2007 14:57	TCH
Chlordane	ND		0.47	UG/L	608PEST	10/25/2007 14:57	TCH
delta-BHC	ND		0.047	UG/L	608PEST	10/25/2007 14:57	TCH
Dieldrin	ND		0.047	UG/L	608PEST	10/25/2007 14:57	TCH
Endosulfan I	ND		0.047	UG/L	608PEST	10/25/2007 14:57	TCH
Endosulfan II	ND		0.047	UG/L	608PEST	10/25/2007 14:57	TCH
Endosulfan Sulfate	ND		0.047	UG/L	608PEST	10/25/2007 14:57	TCH
Endrin	ND		0.047	UG/L	608PEST	10/25/2007 14:57	TCH
Endrin aldehyde	ND		0.047	UG/L	608PEST	10/25/2007 14:57	TCH
gamma-BHC (Lindane)	ND		0.047	UG/L	608PEST	10/25/2007 14:57	TCH
Heptachlor	ND		0.047	UG/L	608PEST	10/25/2007 14:57	TCH
Heptachlor epoxide	ND		0.047	UG/L	608PEST	10/25/2007 14:57	TCH
Toxaphene	ND		0.94	UG/L	608PEST	10/25/2007 14:57	TCH

Sample ID: POST-CARBON
Lab Sample ID: A7C23801
Date Collected: 10/23/2007
Time Collected: 10:25

Date Received: 10/23/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Arsenic - Total	ND		10	UG/L	200.7	10/27/2007 01:04	AH
Iron - Total	331		50.0	UG/L	200.7	10/27/2007 01:04	AH
Manganese - Total	390		3.0	UG/L	200.7	10/27/2007 01:04	AH
Zinc - Total	24.1		10	UG/L	200.7	10/27/2007 01:04	AH
Wet Chemistry Analysis							
Biochemical Oxygen Demand	ND		2.0	MG/L	405.1	10/23/2007 17:51	DRP
Cyanide - Total	0.75		0.050	MG/L	335.2	10/29/2007 11:30	LRM
Oil & Grease	ND		5.0	MG/L	1664	10/26/2007 11:00	RMM
pH	7.6		0.50	S.U.	150.1	10/23/2007 19:42	DRP
Total Dissolved Solids	1090		10	MG/L	160.1	10/23/2007 23:20	WM
Total Recoverable Phenolics	ND		0.0050	MG/L	420.2	10/27/2007 15:43	RLG
Total Suspended Solids	ND		4.0	MG/L	160.2	10/24/2007 22:30	WM

Sample ID: PRE-CARBON
Lab Sample ID: A7C23802
Date Collected: 10/23/2007
Time Collected: 09:45

Date Received: 10/23/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
1,1,2,2-Tetrachloroethane	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
1,1,2-Trichloroethane	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
1,1-Dichloroethane	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
1,1-Dichloroethene	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
1,2-Dichloroethane	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
1,2-Dichloroethene (Total)	ND		2000	UG/L	8260	11/01/2007 13:47	PQ
1,2-Dichloropropane	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
2-Butanone	ND		5000	UG/L	8260	11/01/2007 13:47	PQ
2-Hexanone	ND		5000	UG/L	8260	11/01/2007 13:47	PQ
4-Methyl-2-pentanone	ND		5000	UG/L	8260	11/01/2007 13:47	PQ
Acetone	ND		5000	UG/L	8260	11/01/2007 13:47	PQ
Benzene	15000		1000	UG/L	8260	11/01/2007 13:47	PQ
Bromodichloromethane	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
Bromoform	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
Bromomethane	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
Carbon Disulfide	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
Carbon Tetrachloride	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
Chlorobenzene	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
Chloroethane	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
Chloroform	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
Chloromethane	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
cis-1,3-Dichloropropene	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
Dibromochloromethane	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
Ethylbenzene	810	J	1000	UG/L	8260	11/01/2007 13:47	PQ
Methylene chloride	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
Styrene	550	J	1000	UG/L	8260	11/01/2007 13:47	PQ
Tetrachloroethene	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
Toluene	2100		1000	UG/L	8260	11/01/2007 13:47	PQ
Total Xylenes	590	J	3000	UG/L	8260	11/01/2007 13:47	PQ
trans-1,3-Dichloropropene	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
Trichloroethene	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
Vinyl acetate	ND		5000	UG/L	8260	11/01/2007 13:47	PQ
Vinyl chloride	ND		1000	UG/L	8260	11/01/2007 13:47	PQ
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	ND		17	UG/L	8021	10/25/2007 18:08	LMW
1,3,5-Trimethylbenzene	ND		15	UG/L	8021	10/25/2007 18:08	LMW
Benzene	15000		12	UG/L	8021	10/25/2007 18:08	LMW
Ethylbenzene	760		14	UG/L	8021	10/25/2007 18:08	LMW
Isopropylbenzene	ND		14	UG/L	8021	10/25/2007 18:08	LMW
m-Xylene	420	1	27	UG/L	8021	10/25/2007 18:08	LMW
Methyl-t-Butyl Ether (MTBE)	ND		22	UG/L	8021	10/25/2007 18:08	LMW
n-Butylbenzene	ND		15	UG/L	8021	10/25/2007 18:08	LMW
n-Propylbenzene	ND		14	UG/L	8021	10/25/2007 18:08	LMW
o-Xylene	ND		14	UG/L	8021	10/25/2007 18:08	LMW
p-Cymene	ND		15	UG/L	8021	10/25/2007 18:08	LMW
p-Xylene	ND	1	27	UG/L	8021	10/25/2007 18:08	LMW
sec-Butylbenzene	ND		10	UG/L	8021	10/25/2007 18:08	LMW

Sample ID: PRE-CARBON
Lab Sample ID: A7C23802
Date Collected: 10/23/2007
Time Collected: 09:45

Date Received: 10/23/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
Toluene	1900		18	UG/L	8021	10/25/2007 18:08	LMW
Total Xylenes	420		40	UG/L	8021	10/25/2007 18:08	LMW
Metals Analysis							
Calcium - Total	173000		500	UG/L	200.7	10/27/2007 01:10	AH
Iron - Total	1760		50.0	UG/L	200.7	10/27/2007 01:10	AH
Magnesium - Total	116000		200	UG/L	200.7	10/27/2007 01:10	AH
Potassium - Total	5330		500	UG/L	200.7	10/27/2007 01:10	AH
Sodium - Total	75900		1000	UG/L	200.7	10/27/2007 01:10	AH
Wet Chemistry Analysis							
Chloride	137		1.0	MG/L	300.0	10/25/2007 13:00	AEG
Sulfate	225		10	MG/L	300.0	10/29/2007 11:47	AEG
Total Alkalinity	798		100	MG/L	310.2	10/24/2007 20:20	RLG

Chain of Custody Record

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AL-4142 (0907)

Client	Project Manager	Date	Chain of Custody Number
ART KOSKE		10-23-07	370367
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
NYS DEC - GAGTOWN			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TMETALS	T Fe	CL	SO4	TCL VOA	GAS VOA	TALK	8270 GAS	PP PEST	HGM	TDS	TSS(soil)	Special Instructions/ Conditions of Receipt
PRE CARBON	10-23-07	9:45		X					1				X	X											
PRE CARBON	10-23-07	9:45		X			1								X	X									
PRE CARBON	10-23-07	9:45		X						8							X	X							
PRE CARBON	10-23-07	9:45		X			1												X						
POST CARBON	10-23-07	10:25		X						8							X	X							
POST CARBON	10-23-07	10:25		X			3													X	X				
POST CARBON	10-23-07	10:25		X			3	1														X			
POST CARBON	10-23-07	9:45		X				1															X	X	
POST CARBON	10-23-07	9:45		X					1				X	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	Date	Time	1. Received By	Date	Time
	10-23-07	11:15		10/23/07	1115
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 19.5°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

16/17

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ART KOSKR		10-23-07	324962
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
City / State / Zip Code	**Site Contact**	**Lab Contact**	**Analysis (Attach list if more space is needed)**
Project Name and Location (State)	**Carrier/Waybill Number**		
NYS DEC - GASTOWN			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	BOD	PH	TCN	TPHENOLS	Special Instructions/ Conditions of Receipt
POST CARBON	10-23-07	9:45		X			X						X				
POST CARBON	10-23-07	9:45		X			X							X			
POST CARBON	10-23-07	9:45		X							X				X		
POST CARBON	10-23-07	10:25		X				X								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)

	Date	Time		Date	Time
1. Relinquished By	10-23-07	11:15	1. Received By	10/23/07	1115
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

19.5°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

17/17

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ANALYTICAL REPORT

Job#: A07-D888

Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT
Task: NYSDEC Spills - Gastown WWTP

Mr. Glenn May
NYSDEC - Region 9
270 Michigan Ave
Buffalo, NY 14203

CC: Mr. Charles B. Guzzetta

TestAmerica Laboratories Inc.

Brian J. Fischer
Project Manager

12/14/2007

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TestAmerica Buffalo
Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

*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.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7D88801	POST-CARBON	GW	12/03/2007	09:15	12/03/2007	11:25
A7D88802	PRE-CARBON	GW	12/03/2007	09:10	12/03/2007	11:25

METHODS SUMMARY

Job#: A07-D888

Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

PARAMETER	ANALYTICAL METHOD
NYSDEC - SW8463 8260/5 ML	SW8463 8260
METHOD 8021 - VOLATILE ORGANICS - STARS	SW8463 8021
Calcium - Total	MCAWW 200.7
Iron - Total	MCAWW 200.7
Magnesium - Total	MCAWW 200.7
Potassium - Total	MCAWW 200.7
Sodium - Total	MCAWW 200.7
Chloride	MCAWW 300.0
Cyanide - Total	MCAWW 335.2
pH	MCAWW 150.1
Sulfate	MCAWW 300.0
Total Alkalinity	MCAWW 310.2

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A07-D888

Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

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. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A07-D888
Sample Cooler(s) were received at the following temperature(s); 6.8 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

The value obtained for Total Alkalinity on sample PRE-CARBON is inconsistent with historical trends. Reanalysis was performed and the value was confirmed.

The values obtained for Chloride and Sulfate on sample PRE_CARBON are inconsistent with historical trends. Reanalysis was performed and the values were confirmed.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"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 above. 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 J. Fischer
Project Manager

12-14-02
Date

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
PRE-CARBON	A7D88802	Chloride	5.00	008
PRE-CARBON	A7D88802	Sulfate	5.00	008
PRE-CARBON	A7D88802	Total Alkalinity	5.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

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DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
'N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: POST-CARBON
Lab Sample ID: A7D88801
Date Collected: 12/03/2007
Time Collected: 09:15

Date Received: 12/03/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		5	UG/L	8260	12/05/2007 14:09	LH
1,1,2,2-Tetrachloroethane	ND		5	UG/L	8260	12/05/2007 14:09	LH
1,1,2-Trichloroethane	ND		5	UG/L	8260	12/05/2007 14:09	LH
1,1-Dichloroethane	ND		5	UG/L	8260	12/05/2007 14:09	LH
1,1-Dichloroethene	ND		5	UG/L	8260	12/05/2007 14:09	LH
1,2-Dichloroethane	ND		5	UG/L	8260	12/05/2007 14:09	LH
1,2-Dichloroethene (Total)	ND		10	UG/L	8260	12/05/2007 14:09	LH
1,2-Dichloropropane	ND		5	UG/L	8260	12/05/2007 14:09	LH
2-Butanone	ND		25	UG/L	8260	12/05/2007 14:09	LH
2-Hexanone	ND		25	UG/L	8260	12/05/2007 14:09	LH
4-Methyl-2-pentanone	ND		25	UG/L	8260	12/05/2007 14:09	LH
Acetone	ND		25	UG/L	8260	12/05/2007 14:09	LH
Benzene	0.6	J	5	UG/L	8260	12/05/2007 14:09	LH
Bromodichloromethane	ND		5	UG/L	8260	12/05/2007 14:09	LH
Bromoform	ND		5	UG/L	8260	12/05/2007 14:09	LH
Bromomethane	ND		5	UG/L	8260	12/05/2007 14:09	LH
Carbon Disulfide	ND		5	UG/L	8260	12/05/2007 14:09	LH
Carbon Tetrachloride	ND		5	UG/L	8260	12/05/2007 14:09	LH
Chlorobenzene	ND		5	UG/L	8260	12/05/2007 14:09	LH
Chloroethane	ND		5	UG/L	8260	12/05/2007 14:09	LH
Chloroform	ND		5	UG/L	8260	12/05/2007 14:09	LH
Chloromethane	ND		5	UG/L	8260	12/05/2007 14:09	LH
cis-1,3-Dichloropropene	ND		5	UG/L	8260	12/05/2007 14:09	LH
Dibromochloromethane	ND		5	UG/L	8260	12/05/2007 14:09	LH
Ethylbenzene	ND		5	UG/L	8260	12/05/2007 14:09	LH
Methylene chloride	ND		5	UG/L	8260	12/05/2007 14:09	LH
Styrene	ND		5	UG/L	8260	12/05/2007 14:09	LH
Tetrachloroethene	ND		5	UG/L	8260	12/05/2007 14:09	LH
Toluene	ND		5	UG/L	8260	12/05/2007 14:09	LH
Total Xylenes	ND		15	UG/L	8260	12/05/2007 14:09	LH
trans-1,3-Dichloropropene	ND		5	UG/L	8260	12/05/2007 14:09	LH
Trichloroethene	ND		5	UG/L	8260	12/05/2007 14:09	LH
Vinyl acetate	ND		25	UG/L	8260	12/05/2007 14:09	LH
Vinyl chloride	2	J	5	UG/L	8260	12/05/2007 14:09	LH
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	ND		0.20	UG/L	8021	12/04/2007 17:48	LMW
1,3,5-Trimethylbenzene	ND		0.20	UG/L	8021	12/04/2007 17:48	LMW
Benzene	0.65		0.20	UG/L	8021	12/04/2007 17:48	LMW
Ethylbenzene	ND		0.20	UG/L	8021	12/04/2007 17:48	LMW
Isopropylbenzene	ND		0.20	UG/L	8021	12/04/2007 17:48	LMW
m-Xylene	ND		0.40	UG/L	8021	12/04/2007 17:48	LMW
Methyl-t-Butyl Ether (MTBE)	0.79		0.40	UG/L	8021	12/04/2007 17:48	LMW
n-Butylbenzene	ND		0.40	UG/L	8021	12/04/2007 17:48	LMW
n-Propylbenzene	ND		0.20	UG/L	8021	12/04/2007 17:48	LMW
o-Xylene	ND		0.20	UG/L	8021	12/04/2007 17:48	LMW
p-Cymene	ND		0.40	UG/L	8021	12/04/2007 17:48	LMW
p-Xylene	ND		0.40	UG/L	8021	12/04/2007 17:48	LMW
sec-Butylbenzene	ND		0.40	UG/L	8021	12/04/2007 17:48	LMW

Sample ID: POST-CARBON
Lab Sample ID: A7D88801
Date Collected: 12/03/2007
Time Collected: 09:15

Date Received: 12/03/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
Toluene	ND		0.20	UG/L	8021	12/04/2007 17:48	LMW
Total Xylenes	ND		0.60	UG/L	8021	12/04/2007 17:48	LMW
Metals Analysis							
Iron - Total	55.0		50.0	UG/L	200.7	12/04/2007 17:07	TWS
Wet Chemistry Analysis							
Cyanide - Total	0.082		0.010	MG/L	335.2	12/07/2007 13:50	ERK
pH	7.6		0.50	S.U.	150.1	12/04/2007 08:09	LRM

Sample ID: PRE-CARBON
Lab Sample ID: A7D88802
Date Collected: 12/03/2007
Time Collected: 09:10

Date Received: 12/03/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Calcium - Total	110000		500	UG/L	200.7	12/04/2007 17:12	TWS
Iron - Total	355		50.0	UG/L	200.7	12/04/2007 17:12	TWS
Magnesium - Total	38900		200	UG/L	200.7	12/04/2007 17:12	TWS
Potassium - Total	4690		500	UG/L	200.7	12/04/2007 17:12	TWS
Sodium - Total	142000		1000	UG/L	200.7	12/04/2007 17:12	TWS
Wet Chemistry Analysis							
Chloride	271		2.5	MG/L	300.0	12/11/2007 13:27	AEG
Sulfate	81.8		10	MG/L	300.0	12/11/2007 13:27	AEG
Total Alkalinity	248		50.0	MG/L	310.2	12/07/2007 18:58	RLG

[redacted]
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ART KOSKE	Project Manager	Date 12-3-07	Chain of Custody Number 368980
	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
State	Zip Code	Site Contact	Lab Contact
and Location (State) DEC - GASTOWN	Carrier/Waybill Number		
chase Order/Quote No.			

Sample I.D. No. and Description (or each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: T. METALS	T. Fe	Cl	SO4	TALK	GAS HOA	TCL HOA	PH	TCN	Special Instructions/ Conditions of Receipt
PRE CARBON	12-3-07	9:10		X					1				X	X								
PRE CARBON	12-3-07	9:10		X			1								X	X						
PRE CARBON	12-3-07	9:10		X			1										X					
POST CARBON	12-3-07	9:15		X						8								X	X			
POST CARBON	12-3-07	9:15		X			1													X		
POST CARBON	12-3-07	9:15		X					1					X								
POST CARBON	12-3-07	9:15		X							1										X	

ard Identification
ard ☐ 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)

Time Required
☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
ed By	12-3-07	11:25	1. Received By	12/3/07	1125
ed By			2. Received By		
ed By			3. Received By		

6.8°C

N: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

12/12

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ANALYTICAL REPORT

Job#: A07-E931

Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT
Task: NYSDEC Spills - Gastown WWTP

Mr. Glenn May
NYSDEC - Region 9
270 Michigan Ave
Buffalo, NY 14203

CC: Mr. Charles B. Guzzetta

TestAmerica Laboratories Inc.

Brian J. Fischer
Project Manager

01/17/2008

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THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Buffalo
Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

*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.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7E93101	POST-CARBON	GW	12/26/2007	09:20	12/26/2007	11:15
A7E93102	PRE-CARBON	GW	12/26/2007	09:15	12/26/2007	11:15

METHODS SUMMARY

Job#: A07-E931

Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

PARAMETER	ANALYTICAL METHOD
NYSDEC - SW8463 8260/5 ML	SW8463 8260
METHOD 8021 - VOLATILE ORGANICS - STARS	SW8463 8021
Calcium - Total	MCAWW 200.7
Iron - Total	MCAWW 200.7
Magnesium - Total	MCAWW 200.7
Potassium - Total	MCAWW 200.7
Sodium - Total	MCAWW 200.7
Chloride	MCAWW 300.0
Cyanide - Total	MCAWW 335.2
pH	MCAWW 150.1
Sulfate	MCAWW 300.0
Total Alkalinity	MCAWW 310.2

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A07-E931

Project#: NY5A946109
Site Name: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

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. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A07-E931
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"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 above. 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 J. Fischer
Project Manager

1-17-08
Date

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
PRE-CARBON	A7E93102	Chloride	5.00	008
PRE-CARBON	A7E93102	Sulfate	5.00	008
PRE-CARBON	A7E93102	Total Alkalinity	8.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

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DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: POST-CARBON
Lab Sample ID: A7E93101
Date Collected: 12/26/2007
Time Collected: 09:20

Date Received: 12/26/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
NYSDEC - SW8463 8260/5 ML							
1,1,1-Trichloroethane	ND		5	UG/L	8260	01/04/2008 03:41	ND
1,1,2,2-Tetrachloroethane	ND		5	UG/L	8260	01/04/2008 03:41	ND
1,1,2-Trichloroethane	ND		5	UG/L	8260	01/04/2008 03:41	ND
1,1-Dichloroethane	ND		5	UG/L	8260	01/04/2008 03:41	ND
1,1-Dichloroethene	ND		5	UG/L	8260	01/04/2008 03:41	ND
1,2-Dichloroethane	ND		5	UG/L	8260	01/04/2008 03:41	ND
1,2-Dichloroethene (Total)	ND		10	UG/L	8260	01/04/2008 03:41	ND
1,2-Dichloropropane	ND		5	UG/L	8260	01/04/2008 03:41	ND
2-Butanone	ND		25	UG/L	8260	01/04/2008 03:41	ND
2-Hexanone	ND		25	UG/L	8260	01/04/2008 03:41	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	01/04/2008 03:41	ND
Acetone	ND		25	UG/L	8260	01/04/2008 03:41	ND
Benzene	ND		5	UG/L	8260	01/04/2008 03:41	ND
Bromodichloromethane	ND		5	UG/L	8260	01/04/2008 03:41	ND
Bromoform	ND		5	UG/L	8260	01/04/2008 03:41	ND
Bromomethane	ND		5	UG/L	8260	01/04/2008 03:41	ND
Carbon Disulfide	ND		5	UG/L	8260	01/04/2008 03:41	ND
Carbon Tetrachloride	ND		5	UG/L	8260	01/04/2008 03:41	ND
Chlorobenzene	ND		5	UG/L	8260	01/04/2008 03:41	ND
Chloroethane	ND		5	UG/L	8260	01/04/2008 03:41	ND
Chloroform	ND		5	UG/L	8260	01/04/2008 03:41	ND
Chloromethane	ND		5	UG/L	8260	01/04/2008 03:41	ND
cis-1,3-Dichloropropene	ND		5	UG/L	8260	01/04/2008 03:41	ND
Dibromochloromethane	ND		5	UG/L	8260	01/04/2008 03:41	ND
Ethylbenzene	ND		5	UG/L	8260	01/04/2008 03:41	ND
Methylene chloride	ND		5	UG/L	8260	01/04/2008 03:41	ND
Styrene	ND		5	UG/L	8260	01/04/2008 03:41	ND
Tetrachloroethene	ND		5	UG/L	8260	01/04/2008 03:41	ND
Toluene	ND		5	UG/L	8260	01/04/2008 03:41	ND
Total Xylenes	ND		15	UG/L	8260	01/04/2008 03:41	ND
trans-1,3-Dichloropropene	ND		5	UG/L	8260	01/04/2008 03:41	ND
Trichloroethene	ND		5	UG/L	8260	01/04/2008 03:41	ND
Vinyl acetate	ND		25	UG/L	8260	01/04/2008 03:41	ND
Vinyl chloride	4	J	5	UG/L	8260	01/04/2008 03:41	ND
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	ND		0.20	UG/L	8021	12/28/2007 13:11	LMW
1,3,5-Trimethylbenzene	ND		0.20	UG/L	8021	12/28/2007 13:11	LMW
Benzene	0.39		0.20	UG/L	8021	12/28/2007 13:11	LMW
Ethylbenzene	ND		0.20	UG/L	8021	12/28/2007 13:11	LMW
Isopropylbenzene	ND		0.20	UG/L	8021	12/28/2007 13:11	LMW
m-Xylene	ND		0.40	UG/L	8021	12/28/2007 13:11	LMW
Methyl-t-Butyl Ether (MTBE)	1.3		0.40	UG/L	8021	12/28/2007 13:11	LMW
n-Butylbenzene	ND		0.40	UG/L	8021	12/28/2007 13:11	LMW
n-Propylbenzene	ND		0.20	UG/L	8021	12/28/2007 13:11	LMW
o-Xylene	ND		0.20	UG/L	8021	12/28/2007 13:11	LMW
p-Cymene	ND		0.40	UG/L	8021	12/28/2007 13:11	LMW
p-Xylene	ND		0.40	UG/L	8021	12/28/2007 13:11	LMW
sec-Butylbenzene	ND		0.40	UG/L	8021	12/28/2007 13:11	LMW

10/12

Sample ID: POST-CARBON
Lab Sample ID: A7E93101
Date Collected: 12/26/2007
Time Collected: 09:20

Date Received: 12/26/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
Toluene	ND		0.20	UG/L	8021	12/28/2007 13:11	LMW
Total Xylenes	ND		0.60	UG/L	8021	12/28/2007 13:11	LMW
Metals Analysis							
Iron - Total	147		50.0	UG/L	200.7	12/28/2007 15:44	AH
Wet Chemistry Analysis							
Cyanide - Total	0.38		0.010	MG/L	335.2	01/03/2008 11:25	ERK
pH	7.0		0	S.U.	150.1	12/26/2007 20:52	RLG

11/12

Sample ID: PRE-CARBON
Lab Sample ID: A7E93102
Date Collected: 12/26/2007
Time Collected: 09:15

Date Received: 12/26/2007
Project No: NY5A946109
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Calcium - Total	163000		500	UG/L	200.7	12/28/2007 16:02	AH
Iron - Total	669		50.0	UG/L	200.7	12/28/2007 16:02	AH
Magnesium - Total	82900		200	UG/L	200.7	12/28/2007 16:02	AH
Potassium - Total	4850		500	UG/L	200.7	12/28/2007 16:02	AH
Sodium - Total	86300		1000	UG/L	200.7	12/28/2007 16:02	AH
Wet Chemistry Analysis							
Chloride	176		2.5	MG/L	300.0	01/12/2008 04:27	AEG
Sulfate	211		10	MG/L	300.0	01/12/2008 04:27	AEG
Total Alkalinity	598		80.0	MG/L	310.2	12/28/2007 19:31	RLG

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client	Project Manager	Date	Chain of Custody Number
ART KOSKE		12-26-07	388673
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
NYSDEC - GASTOWN			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: T. METALS	T. FE	CL	SO4	TALK	GAS VOA	TCL VOAS	PH	T CN
PRE CARBON	12-26-07	9:15		X					1				X	X							
PRE CARBON	12-26-07	9:15		X			1								X	X					
PRE CARBON	12-26-07	9:15		X			1										X				
POST CARBON	12-26-07	9:20		X						8								X	X		
POST CARBON	12-26-07	9:20		X			1													X	
POST CARBON	12-26-07	9:20		X					1					X							
POST CARBON	12-26-07	9:20		X							1										X

Special Instructions/ Conditions of Receipt

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)

	Date	Time		Date	Time
1. Relinquished By	12/26/07	1115	1. Received By TAL BUFFALO	12/26/07	1115
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report: CANARY - Stays with the Sample; PINK - Field Copy

2.0°C

12/12