FORMER GASTOWN MGP SITE
SITE NO. 915171

2005 LAB REPORTS
FOR THE GROUNDWATER COLLECTION & TREATMENT SYSTEM

Lab reports are only available for April 2005.

ANALYTICAL REPORT

Job#: A05-4294

STL Project#: NY1A8684
Site Name: NYSDEC SPILL CONTRACT/C200212
Task: NYSDEC Spills Contract/C200212 - Gastown WWTP

Mr. Glenn May
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STL Buffalo

Brian J. Fischer
Project Manager

05/18/2005

STL Buffalo
Current Certifications

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP SDWA, CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP RCRA	E87672
Georgia	SDWA	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	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	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA	C254
West Virginia	CWA	252
Wisconsin	CWA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A5429401	POST-CARBON	GW	04/29/2005	09:00	04/29/2005	09:35
A5429402	PRE-CARBON	GW	04/29/2005	08:30	04/29/2005	09:35

METHODS SUMMARY

Job#: A05-4294

STL Project#: NY1A8684
Site Name: NYSDEC SPILL CONTRACT/C200212

PARAMETER	ANALYTICAL METHOD
NYSDEC - SW8463 8260/5 ML	SW8463 8260/5ML
METHOD 8021 - VOLATILE ORGANICS - STARS	SW8463 8021
NYSDEC - METHOD 8270 Gastown	SW8463 8270
GASTOWN - METHOD 608 - P.P. PESTICIDES	CFR136 608
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

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#: A05-4294

STL Project#: NY1A8684
Site Name: NYSDEC SPILL CONTRACT/C200212

General Comments

The enclosed data 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

A05-4294
Sample Cooler(s) were received at the following temperature(s); 3.6 °C
All samples were received in good condition.

GC/MS Volatile Data

The spike recovery of the analyte Benzene in the Matrix Spike 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 analytes
Benzene and Toluene. The Matrix Spike Blank recoveries were compliant, so no corrective action is required.

GC Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC/MS Semivolatile Data

The spike recovery for Pentachlorophenol was above the method defined quality control limits in the Matrix Spike Blank A5B0625901. Since the results were biased high and the analytes were not detected in the samples, no corrective action was performed.

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

The requested reporting limit for Total Recoverable Phenolics is below STL's standard reporting limit. It must be noted that results reported below STL's standard reporting limit may result in false positive/false negative results, less accurate quantitation and potential misidentification at the lower concentrations. Therefore, no corrective action has been taken for any detections between the requested reporting limit and STLs standard reporting limit.

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Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
PRE-CARBON	A5429402	8021	200.00	008
PRE-CARBON	A5429402	8260/5ML	20.00	008
PRE-CARBON	A5429402	Chloride	5.00	008
PRE-CARBON	A5429402	Sulfate	5.00	008
PRE-CARBON	A5429402	Total Alkalinity	5.00	008
PRE-CARBON	A5429402MS	8260/5ML	20.00	008
PRE-CARBON	A5429402SD	8260/5ML	20.00	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

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected at or above the reporting limit.
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 a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. 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 at or above the reporting limit.
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.
K	Indicates the post digestion spike recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
M	Indicates duplicate injection results exceeded quality control limits.
W	Post digestion spike for Furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
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 analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample Data Package

Sample ID: POST-CARBON
Lab Sample ID: A5429401
Date Collected: 04/29/2005
Time Collected: 09:00

Date Received: 04/29/2005
Project No: NY1A8684
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	8260/5ML	05/10/2005 00:05	LH
1,1,2,2-Tetrachloroethane	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
1,1,2-Trichloroethane	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
1,1-Dichloroethane	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
1,1-Dichloroethene	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
1,2-Dichloroethane	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
1,2-Dichloroethene (Total)	ND		10	UG/L	8260/5ML	05/10/2005 00:05	LH
1,2-Dichloropropane	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
2-Butanone	ND		25	UG/L	8260/5ML	05/10/2005 00:05	LH
2-Hexanone	ND		25	UG/L	8260/5ML	05/10/2005 00:05	LH
4-Methyl-2-pentanone	ND		25	UG/L	8260/5ML	05/10/2005 00:05	LH
Acetone	ND		25	UG/L	8260/5ML	05/10/2005 00:05	LH
Benzene	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Bromodichloromethane	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Bromoform	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Bromomethane	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Carbon Disulfide	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Carbon Tetrachloride	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Chlorobenzene	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Chloroethane	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Chloroform	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Chloromethane	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
cis-1,3-Dichloropropene	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Dibromochloromethane	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Ethylbenzene	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Methylene chloride	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Styrene	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Tetrachloroethene	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Toluene	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Total Xylenes	ND		15	UG/L	8260/5ML	05/10/2005 00:05	LH
trans-1,3-Dichloropropene	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Trichloroethene	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
Vinyl acetate	ND		25	UG/L	8260/5ML	05/10/2005 00:05	LH
Vinyl chloride	ND		5	UG/L	8260/5ML	05/10/2005 00:05	LH
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	ND		0.20	UG/L	8021	05/03/2005 17:34	TCH
1,3,5-Trimethylbenzene	ND		0.20	UG/L	8021	05/03/2005 17:34	TCH
Benzene	0.20		0.20	UG/L	8021	05/03/2005 17:34	TCH
Ethylbenzene	ND		0.20	UG/L	8021	05/03/2005 17:34	TCH
Isopropylbenzene	ND		0.20	UG/L	8021	05/03/2005 17:34	TCH
m-Xylene	ND		0.40	UG/L	8021	05/03/2005 17:34	TCH
Methyl-t-Butyl Ether (MTBE)	ND		0.40	UG/L	8021	05/03/2005 17:34	TCH
n-Butylbenzene	ND		0.40	UG/L	8021	05/03/2005 17:34	TCH
n-Propylbenzene	ND		0.20	UG/L	8021	05/03/2005 17:34	TCH
o-Xylene	ND		0.20	UG/L	8021	05/03/2005 17:34	TCH
p-Cymene	ND		0.40	UG/L	8021	05/03/2005 17:34	TCH
p-Xylene	ND		0.40	UG/L	8021	05/03/2005 17:34	TCH
sec-Butylbenzene	ND		0.40	UG/L	8021	05/03/2005 17:34	TCH

Sample ID: POST-CARBON
Lab Sample ID: A5429401
Date Collected: 04/29/2005
Time Collected: 09:00

Date Received: 04/29/2005
Project No: NY1A8684
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	05/03/2005 17:34	TCH
Total Xylenes	ND		0.60	UG/L	8021	05/03/2005 17:34	TCH
NYSDEC - GASTOWN WWTP LIST/8270 - W							
2-Methylnaphthalene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Acenaphthene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Acenaphthylene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Anthracene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Benzo(a)anthracene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Benzo(a)pyrene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Benzo(b)fluoranthene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Benzo(ghi)perylene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Benzo(k)fluoranthene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Biphenyl	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Bis(2-ethylhexyl) phthalate	34		9.4	UG/L	8270	05/01/2005 23:16	MRF
Carbazole	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Chrysene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Dibenzo(a,h)anthracene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Dibenzofuran	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Fluoranthene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Fluorene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Indene (TIC)	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Indeno(1,2,3-cd)pyrene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Naphthalene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Pentachlorophenol	ND		47	UG/L	8270	05/01/2005 23:16	MRF
Phenanthrene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
Phenol	ND		47	UG/L	8270	05/01/2005 23:16	MRF
Pyrene	ND		9.4	UG/L	8270	05/01/2005 23:16	MRF
GASTOWN - AQUEOUS-CFR136 608 - P.P. PESTICIDE							
4,4'-DDD	ND		0.010	UG/L	608	05/11/2005 02:34	TCH
4,4'-DDE	ND		0.010	UG/L	608	05/11/2005 02:34	TCH
4,4'-DDT	ND		0.0050	UG/L	608	05/11/2005 02:34	TCH
Aldrin	ND		0.0050	UG/L	608	05/11/2005 02:34	TCH
alpha-BHC	ND		0.0050	UG/L	608	05/11/2005 02:34	TCH
beta-BHC	ND		0.0050	UG/L	608	05/11/2005 02:34	TCH
Chlordane	ND		0.050	UG/L	608	05/11/2005 02:34	TCH
delta-BHC	ND		0.0050	UG/L	608	05/11/2005 02:34	TCH
Dieldrin	ND		0.010	UG/L	608	05/11/2005 02:34	TCH
Endosulfan I	ND		0.0050	UG/L	608	05/11/2005 02:34	TCH
Endosulfan II	ND		0.0050	UG/L	608	05/11/2005 02:34	TCH
Endosulfan Sulfate	ND		0.0050	UG/L	608	05/11/2005 02:34	TCH
Endrin	ND		0.010	UG/L	608	05/11/2005 02:34	TCH
Endrin aldehyde	ND		0.010	UG/L	608	05/11/2005 02:34	TCH
gamma-BHC (Lindane)	ND		0.0050	UG/L	608	05/11/2005 02:34	TCH
Heptachlor	ND		0.0050	UG/L	608	05/11/2005 02:34	TCH
Heptachlor epoxide	ND		0.0050	UG/L	608	05/11/2005 02:34	TCH
Toxaphene	ND		0.10	UG/L	608	05/11/2005 02:34	TCH

Sample ID: POST-CARBON
Lab Sample ID: A5429401
Date Collected: 04/29/2005
Time Collected: 09:00

Date Received: 04/29/2005
Project No: NY1A8684
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	05/02/2005 17:15	BKL
Iron - Total	213		50.0	UG/L	200.7	05/02/2005 17:15	BKL
Manganese - Total	277		3.0	UG/L	200.7	05/02/2005 17:15	BKL
Zinc - Total	105		20.0	UG/L	200.7	05/02/2005 17:15	BKL
Wet Chemistry Analysis							
Biochemical Oxygen Demand	ND		2.0	MG/L	405.1	04/29/2005 16:00	MR
Cyanide - Total	0.38		0.010	MG/L	335.2	05/02/2005 11:30	LRM
Oil & Grease	ND		5.0	MG/L	1664	05/05/2005 21:00	SH
pH	7.8		0	S.U.	150.1	04/29/2005 17:20	SM
Total Dissolved Solids	990		10	MG/L	160.1	05/02/2005 14:10	KD
Total Recoverable Phenolics	0.0060		0.0050	MG/L	420.2	05/03/2005 12:17	LRM
Total Suspended Solids	ND		4.0	MG/L	160.2	04/30/2005 10:30	SM

Sample ID: PRE-CARBON
Lab Sample ID: A5429402
Date Collected: 04/29/2005
Time Collected: 08:30

Date Received: 04/29/2005
Project No: NY1A8684
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		100	UG/L	8260/5ML	05/10/2005 00:22	LH
1,1,2,2-Tetrachloroethane	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
1,1,2-Trichloroethane	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
1,1-Dichloroethane	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
1,1-Dichloroethene	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
1,2-Dichloroethane	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
1,2-Dichloroethene (Total)	ND		200	UG/L	8260/5ML	05/10/2005 00:22	LH
1,2-Dichloropropane	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
2-Butanone	ND		500	UG/L	8260/5ML	05/10/2005 00:22	LH
2-Hexanone	ND		500	UG/L	8260/5ML	05/10/2005 00:22	LH
4-Methyl-2-pentanone	ND		500	UG/L	8260/5ML	05/10/2005 00:22	LH
Acetone	ND		500	UG/L	8260/5ML	05/10/2005 00:22	LH
Benzene	3200		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Bromodichloromethane	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Bromoform	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Bromomethane	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Carbon Disulfide	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Carbon Tetrachloride	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Chlorobenzene	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Chloroethane	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Chloroform	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Chloromethane	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
cis-1,3-Dichloropropene	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Dibromochloromethane	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Ethylbenzene	88	J	100	UG/L	8260/5ML	05/10/2005 00:22	LH
Methylene chloride	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Styrene	520		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Tetrachloroethene	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Toluene	1200		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Total Xylenes	440		300	UG/L	8260/5ML	05/10/2005 00:22	LH
trans-1,3-Dichloropropene	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Trichloroethene	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
Vinyl acetate	ND		500	UG/L	8260/5ML	05/10/2005 00:22	LH
Vinyl chloride	ND		100	UG/L	8260/5ML	05/10/2005 00:22	LH
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
1,2,4-Trimethylbenzene	130		6.9	UG/L	8021	05/03/2005 18:06	TCH
1,3,5-Trimethylbenzene	45		34	UG/L	8021	05/03/2005 18:06	TCH
Benzene	6200		4.6	UG/L	8021	05/03/2005 18:06	TCH
Ethylbenzene	240		5.7	UG/L	8021	05/03/2005 18:06	TCH
Isopropylbenzene	ND		5.4	UG/L	8021	05/03/2005 18:06	TCH
m-Xylene	760	1	49	UG/L	8021	05/03/2005 18:06	TCH
Methyl-t-Butyl Ether (MTBE)	ND		46	UG/L	8021	05/03/2005 18:06	TCH
n-Butylbenzene	ND		6.2	UG/L	8021	05/03/2005 18:06	TCH
n-Propylbenzene	ND		5.6	UG/L	8021	05/03/2005 18:06	TCH
o-Xylene	ND		17	UG/L	8021	05/03/2005 18:06	TCH
p-Cymene	ND		55	UG/L	8021	05/03/2005 18:06	TCH
p-Xylene	ND	1	49	UG/L	8021	05/03/2005 18:06	TCH
sec-Butylbenzene	430		4.1	UG/L	8021	05/03/2005 18:06	TCH

Sample ID: PRE-CARBON
Lab Sample ID: A5429402
Date Collected: 04/29/2005
Time Collected: 08:30

Date Received: 04/29/2005
Project No: NY1A8684
Client No: L10190
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8021 - VOLATILE ORGANICS - STA							
Toluene	2900		7.1	UG/L	8021	05/03/2005 18:06	TCH
Total Xylenes	760		66	UG/L	8021	05/03/2005 18:06	TCH
Metals Analysis							
Calcium - Total	179000		500	UG/L	200.7	05/02/2005 17:20	BKL
Iron - Total	341		50.0	UG/L	200.7	05/02/2005 17:20	BKL
Magnesium - Total	73500		200	UG/L	200.7	05/02/2005 17:20	BKL
Potassium - Total	5500		500	UG/L	200.7	05/02/2005 17:20	BKL
Sodium - Total	76100		1000	UG/L	200.7	05/02/2005 17:20	BKL
Wet Chemistry Analysis							
Chloride	190		2.5	MG/L	300.0	05/05/2005 15:22	SS
Sulfate	226		10	MG/L	300.0	05/05/2005 15:22	SS
Total Alkalinity	474		50.0	MG/L	310.2	04/30/2005 10:36	MG

Batch Quality Control Data

Lab Sample ID: A5426901 A5426901MS A5426901SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			%	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg	RPD	RPD	REC.
METHOD 8270 - SEMI-VOLATILE ORGANICS												
4-Chloro-3-methylphenol	UG/L	0	171	165	180	180	95	92	94	3	27.0	54-131
2-Chlorophenol	UG/L	0	120	123	180	180	67	68	68	1	25.0	42-120
2,4-Dichlorophenol	UG/L	0	154	155	180	180	86	86	86	0	19.0	63-120
2,4-Dimethylphenol	UG/L	0	148	150	180	180	82	84	83	2	42.0	55-122
4,6-Dinitro-2-methylphenol	UG/L	0	160	156	180	180	89	87	88	2	15.0	62-140
2,4-Dinitrophenol	UG/L	0	138	133	180	180	77	74	76	4	22.0	43-133
2-Nitrophenol	UG/L	0	140	144	180	180	78	80	79	2	18.0	56-120
4-Nitrophenol	UG/L	0	108	112	180	180	60	63	62	5	48.0	11-120
Pentachlorophenol	UG/L	0	219	207	180	180	122	115	119	6	37.0	33-143
Phenol	UG/L	0	79.8	81.4	180	180	44	45	45	2	34.0	16-120
2,4,6-Trichlorophenol	UG/L	0	172	169	180	180	96	94	95	2	19.0	52-124

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A5420201 A5420201MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
CHLORIDE ANALYSIS METHOD 300.0 - CHLORIDE	MG/L	6.82	56.46	50.00	99	73-114

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A5420401 A5420401MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
FLUORIDE ANALYSIS METHOD 300.0 - FLUORIDE	MG/L	0.0800	4.68	5.00	92	77-119

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A5422003 A5422003MS A5422003SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
TOTAL ALKALINITY ANALYSIS 310.2 - TOTAL ALKALINITY - RL= 5.0 MG/	MG/L	167.9	192.7	185.9	20.00	20.00	124	90	107	32 *	20.0	22-128

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A5426102 A5426102MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
TOTAL RECOVERABLE PHENOLICS ANALYSIS METHOD 9066 - TOTAL RECOVERABLE PHENOL	UG/L	5.00	4.00	100.0	-1 *	60-143

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A5426702 A5426702MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
BIOCHEMICAL OXYGEN DEMAND ANALYSIS ASPOO METHOD 405.1 - BIOCHEMICAL OXYGE	MG/L	0	187.1	198.0	94	22-178

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A5432001 A5432001MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
FLUORIDE ANALYSIS METHOD 300.0 - FLUORIDE	MG/L	0	5.31	5.00	106	77-119

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A5432905 A5432905MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
CHLORIDE ANALYSIS METHOD 300.0 - CHLORIDE	MG/L	22.73	73.14	50.00	101	73-114

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client ID		vblk09		vblk10					
Job No	Lab ID	A05-4294	A5B0683905	A05-4294	A5B0683906				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	25	ND	25	NA		NA	
Benzene	UG/L	ND	5	ND	5	NA		NA	
Bromodichloromethane	UG/L	ND	5	ND	5	NA		NA	
Bromoform	UG/L	ND	5	ND	5	NA		NA	
Bromomethane	UG/L	ND	5	ND	5	NA		NA	
2-Butanone	UG/L	ND	25	ND	25	NA		NA	
Carbon Disulfide	UG/L	ND	5	ND	5	NA		NA	
Carbon Tetrachloride	UG/L	ND	5	ND	5	NA		NA	
Chlorobenzene	UG/L	ND	5	ND	5	NA		NA	
Chloroethane	UG/L	ND	5	ND	5	NA		NA	
Chloroform	UG/L	ND	5	ND	5	NA		NA	
Chloromethane	UG/L	ND	5	ND	5	NA		NA	
Dibromochloromethane	UG/L	ND	5	ND	5	NA		NA	
1,1-Dichloroethane	UG/L	ND	5	ND	5	NA		NA	
1,2-Dichloroethane	UG/L	ND	5	ND	5	NA		NA	
1,1-Dichloroethene	UG/L	ND	5	ND	5	NA		NA	
1,2-Dichloroethene (Total)	UG/L	ND	10	ND	10	NA		NA	
1,2-Dichloropropane	UG/L	ND	5	ND	5	NA		NA	
cis-1,3-Dichloropropene	UG/L	ND	5	ND	5	NA		NA	
trans-1,3-Dichloropropene	UG/L	ND	5	ND	5	NA		NA	
Ethylbenzene	UG/L	ND	5	ND	5	NA		NA	
2-Hexanone	UG/L	ND	25	ND	25	NA		NA	
Methylene chloride	UG/L	ND	5	ND	5	NA		NA	
4-Methyl-2-pentanone	UG/L	ND	25	ND	25	NA		NA	
Styrene	UG/L	ND	5	ND	5	NA		NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	5	ND	5	NA		NA	
Tetrachloroethene	UG/L	ND	5	ND	5	NA		NA	
Toluene	UG/L	ND	5	ND	5	NA		NA	
1,1,1-Trichloroethane	UG/L	ND	5	ND	5	NA		NA	
1,1,2-Trichloroethane	UG/L	ND	5	ND	5	NA		NA	
Trichloroethene	UG/L	ND	5	ND	5	NA		NA	
Vinyl acetate	UG/L	ND	25	ND	25	NA		NA	
Vinyl chloride	UG/L	ND	5	ND	5	NA		NA	
Total Xylenes	UG/L	ND	15	ND	15	NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	99	50-200	96	50-200	NA		NA	
1,4-Difluorobenzene	%	100	50-200	94	50-200	NA		NA	
1,4-Dichlorobenzene-D4	%	99	50-200	85	50-200	NA		NA	
Toluene-D8	%	99	77-122	94	77-122	NA		NA	
p-Bromofluorobenzene	%	98	74-120	90	74-120	NA		NA	
1,2-Dichloroethane-D4	%	103	73-136	96	73-136	NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		VBLK166							
Job No	Lab ID	A05-4294	A5B0659701						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/L	ND	0.20	NA		NA		NA	
Ethylbenzene	UG/L	ND	0.20	NA		NA		NA	
Toluene	UG/L	ND	0.20	NA		NA		NA	
o-Xylene	UG/L	ND	0.20	NA		NA		NA	
m-Xylene	UG/L	ND	0.40	NA		NA		NA	
p-Xylene	UG/L	ND	0.40	NA		NA		NA	
Total Xylenes	UG/L	ND	0.60	NA		NA		NA	
Isopropylbenzene	UG/L	ND	0.20	NA		NA		NA	
n-Propylbenzene	UG/L	ND	0.20	NA		NA		NA	
p-Cymene	UG/L	ND	0.40	NA		NA		NA	
1,2,4-Trimethylbenzene	UG/L	ND	0.20	NA		NA		NA	
1,3,5-Trimethylbenzene	UG/L	ND	0.20	NA		NA		NA	
n-Butylbenzene	UG/L	ND	0.40	NA		NA		NA	
sec-Butylbenzene	UG/L	ND	0.40	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	0.40	NA		NA		NA	
SURROGATE(S)									
p-Bromofluorobenzene	%	116	65-123	NA		NA		NA	
a,a,a-Trifluorotoluene	%	105	71-127	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		sblk							
Job No	Lab ID	A05-4294	A5B0625902						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acenaphthene	UG/L	ND	10	NA		NA		NA	
Acenaphthylene	UG/L	ND	10	NA		NA		NA	
Anthracene	UG/L	ND	10	NA		NA		NA	
Benzo(a)anthracene	UG/L	ND	10	NA		NA		NA	
Benzo(b)fluoranthene	UG/L	ND	10	NA		NA		NA	
Benzo(k)fluoranthene	UG/L	ND	10	NA		NA		NA	
Benzo(ghi)perylene	UG/L	ND	10	NA		NA		NA	
Benzo(a)pyrene	UG/L	ND	10	NA		NA		NA	
Chrysene	UG/L	ND	10	NA		NA		NA	
Dibenzo(a,h)anthracene	UG/L	ND	10	NA		NA		NA	
Fluoranthene	UG/L	ND	10	NA		NA		NA	
Fluorene	UG/L	ND	10	NA		NA		NA	
Indeno(1,2,3-cd)pyrene	UG/L	ND	10	NA		NA		NA	
Naphthalene	UG/L	ND	10	NA		NA		NA	
Phenanthrene	UG/L	ND	10	NA		NA		NA	
Pyrene	UG/L	ND	10	NA		NA		NA	
Phenol	UG/L	ND	50	NA		NA		NA	
2-Methylnaphthalene	UG/L	ND	10	NA		NA		NA	
Carbazole	UG/L	ND	10	NA		NA		NA	
Biphenyl	UG/L	ND	10	NA		NA		NA	
Dibenzofuran	UG/L	ND	10	NA		NA		NA	
Pentachlorophenol	UG/L	ND	50	NA		NA		NA	
Bis(2-ethylhexyl) phthalate	UG/L	ND	10	NA		NA		NA	
Indene (TIC)	UG/L	ND	10	NA		NA		NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	102	50-200	NA		NA		NA	
Naphthalene-D8	%	105	50-200	NA		NA		NA	
Acenaphthene-D10	%	109	50-200	NA		NA		NA	
Phenanthrene-D10	%	112	50-200	NA		NA		NA	
Chrysene-D12	%	108	50-200	NA		NA		NA	
Perylene-D12	%	122	50-200	NA		NA		NA	
Nitrobenzene-D5	%	79	52-120	NA		NA		NA	
2-Fluorobiphenyl	%	78	21-120	NA		NA		NA	
p-Terphenyl-d14	%	87	36-138	NA		NA		NA	
Phenol-D5	%	32	13-120	NA		NA		NA	
2-Fluorophenol	%	47	21-120	NA		NA		NA	
2,4,6-Tribromophenol	%	109	62-133	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A05-4294	A5B0628103						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aldrin	UG/L	ND	0.0050	NA		NA		NA	
alpha-BHC	UG/L	ND	0.0050	NA		NA		NA	
beta-BHC	UG/L	ND	0.0050	NA		NA		NA	
gamma-BHC (Lindane)	UG/L	ND	0.0050	NA		NA		NA	
delta-BHC	UG/L	ND	0.0050	NA		NA		NA	
Chlordane	UG/L	ND	0.050	NA		NA		NA	
4,4'-DDD	UG/L	ND	0.010	NA		NA		NA	
4,4'-DDE	UG/L	ND	0.010	NA		NA		NA	
4,4'-DDT	UG/L	ND	0.0050	NA		NA		NA	
Dieldrin	UG/L	ND	0.010	NA		NA		NA	
Endosulfan I	UG/L	ND	0.0050	NA		NA		NA	
Endosulfan II	UG/L	ND	0.0050	NA		NA		NA	
Endosulfan Sulfate	UG/L	ND	0.0050	NA		NA		NA	
Endrin	UG/L	ND	0.010	NA		NA		NA	
Endrin aldehyde	UG/L	ND	0.010	NA		NA		NA	
Heptachlor	UG/L	ND	0.0050	NA		NA		NA	
Heptachlor epoxide	UG/L	ND	0.0050	NA		NA		NA	
Toxaphene	UG/L	ND	0.10	NA		NA		NA	
SURROGATE(S)									
Tetrachloro-m-xylene	%	53	22-119	NA		NA		NA	
Decachlorobiphenyl	%	94	30-135	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A05-4294	A5B0629702						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Calcium - Total	UG/L	ND	500	NA		NA		NA	
Magnesium - Total	UG/L	ND	200	NA		NA		NA	
Potassium - Total	UG/L	ND	500	NA		NA		NA	
Sodium - Total	UG/L	ND	1000	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A05-4294	A5B0629702						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Arsenic - Total	UG/L	ND	10	NA		NA		NA	
Manganese - Total	UG/L	ND	3.0	NA		NA		NA	
Zinc - Total	UG/L	ND	20.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID Job No Lab ID Sample Date		Method Blank A05-4294 A5B0629702							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Iron - Total	UG/L	ND	50.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank		Method Blank		Method Blank		Method Blank	
Job No	Lab ID	A05-4294	A5B0624002	A05-4294	A5B0624802	A05-4294	A5B0625702	A05-4294	A5B0626602
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Recoverable Phenolics	MG/L	0.0080	0.0050	NA		NA		NA	
Biochemical Oxygen Demand	MG/L	NA		ND	2.0	NA		NA	
Total Suspended Solids	MG/L	NA		NA		ND	4.0	NA	
Cyanide - Total	MG/L	NA		NA		NA		ND	0.010

Client ID		Method Blank		Method Blank		Method Blank		Method Blank	
Job No	Lab ID	A05-4294	A5B0627502	A05-4294	A5B0633902	A05-4294	A5B0658202	A05-4294	A5B0661404
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Alkalinity	MG/L	ND	10	NA		NA		NA	
Total Dissolved Solids	MG/L	NA		ND	10	NA		NA	
Chloride	MG/L	NA		NA		ND	0.50	NA	
Oil & Grease	MG/L	NA		NA		NA		ND	5.0
Sulfate	MG/L	NA		NA		ND	2.0	NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: PRE-CARBON PRE-CARBON PRE-CARBON
Lab Sample ID: A5429402 A5429402MS A5429402SD

Analyte	Units of Measure	Concentration Sample	Matrix Spike	Spike Duplicate	Spike Amount MS	MSD	% Recovery MS	MSD	Avg	% RPD	QC LIMITS RPD	REC.
NYSDEC - SW8463 8260/5 ML												
1,1-Dichloroethene	UG/L	0	1033	922	1000	1000	103	92	98	11	16.0	66-142
Trichloroethene	UG/L	0	928	844	1000	1000	93	84	89	10	16.0	72-120
Benzene	UG/L	3258	4536	4075	1000	1000	128 *	82	105	44 *	13.0	71-120
Toluene	UG/L	1249	2197	2016	1000	1000	95	77	86	21 *	18.0	69-120
Chlorobenzene	UG/L	0	870	814	1000	1000	87	81	84	7	19.0	73-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: vblk09 msb09
Lab Sample ID: A5B0683905 A5B0683901

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
NYSDEC - SW8463 8260/5 ML					
1,1-Dichloroethene	UG/L	45.9	50.0	92	66-142
Trichloroethene	UG/L	48.0	50.0	96	72-120
Benzene	UG/L	48.4	50.0	97	71-120
Toluene	UG/L	48.3	50.0	97	69-120
Chlorobenzene	UG/L	48.2	50.0	96	73-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: vblk10 msb10
Lab Sample ID: A5B0683906 A5B0683902

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
NYSDEC - SW8463 8260/5 ML					
1,1-Dichloroethene	UG/L	48.3	50.0	97	66-142
Trichloroethene	UG/L	48.5	50.0	97	72-120
Benzene	UG/L	48.7	50.0	98	71-120
Toluene	UG/L	50.1	50.0	100	69-120
Chlorobenzene	UG/L	49.0	50.0	98	73-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: VBLK166 Matrix Spike Blank
Lab Sample ID: A5B0659701 A5B0659702

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8021 - VOLATILE ORGANICS - STARS					
Benzene	UG/L	3.89	4.00	97	76-120
n-Butylbenzene	UG/L	3.87	4.00	97	75-122
sec-Butylbenzene	UG/L	3.81	4.00	95	78-120
Ethylbenzene	UG/L	3.96	4.00	99	79-120
Isopropylbenzene	UG/L	4.05	4.00	101	80-121
p-Cymene	UG/L	3.88	4.00	97	78-120
n-Propylbenzene	UG/L	3.97	4.00	99	70-130
Toluene	UG/L	3.88	4.00	97	78-124
1,2,4-Trimethylbenzene	UG/L	3.86	4.00	97	77-120
1,3,5-Trimethylbenzene	UG/L	3.93	4.00	98	76-120
o-Xylene	UG/L	3.94	4.00	99	76-120
m-Xylene	UG/L	8.03	8.00	100	80-120
Total Xylenes	UG/L	11.9	12.0	100	77-120
Methyl-t-Butyl Ether (MTBE)	UG/L	3.40	4.00	85	66-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: sblk — Matrix Spike Blank
Lab Sample ID: A5B0625902 — A5B0625901

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
NYSDEC - METHOD 8270 GASTOWN					
Acenaphthene	UG/L	103	100	103	55-120
Acenaphthylene	UG/L	101	100	102	57-120
Anthracene	UG/L	106	100	107	66-125
Benzo(a)anthracene	UG/L	106	100	106	67-133
Benzo(b)fluoranthene	UG/L	108	100	108	62-128
Benzo(k)fluoranthene	UG/L	97.7	100	98	55-131
Benzo(ghi)perylene	UG/L	110	100	110	51-145
Benzo(a)pyrene	UG/L	109	100	110	64-128
Bis(2-ethylhexyl) phthalate	UG/L	111	100	110	60-141
Chrysene	UG/L	108	100	109	61-135
Dibenzo(a,h)anthracene	UG/L	111	100	111	53-135
Dibenzofuran	UG/L	99.0	100	99	46-120
Fluoranthene	UG/L	109	100	109	64-129
Fluorene	UG/L	106	100	106	64-123
Indeno(1,2,3-cd)pyrene	UG/L	109	100	110	49-135
2-Methylnaphthalene	UG/L	92.2	100	92	44-120
Naphthalene	UG/L	85.6	100	86	49-120
Pentachlorophenol	UG/L	147	100	147 *	33-143
Phenanthrene	UG/L	106	100	106	54-136
Phenol	UG/L	37.1	100	37	16-120
Pyrene	UG/L	106	100	107	50-151

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank | Matrix Spike Blank | Matrix Spike Blk Dup
Lab Sample ID: A5B0628103 | A5B0628101 | A5B0628102

Analyte	Units of Measure	Concentration		Spike Amount		% Recovery			%	QC LIMITS	
		Spike Blank	Spike Blank Dup	SB	SBD	SB	SBD	Avg	RPD	RPD	REC.
GASTOWN - METHOD 608 - P.P. PESTICIDES											
Aldrin	UG/L	0.0336	0.0371	0.0500	0.0500	67	74	71	10	40.0	19-120
alpha-BHC	UG/L	0.0389	0.0398	0.0500	0.0500	78	80	79	2	40.0	49-120
beta-BHC	UG/L	0.0481	0.0493	0.0500	0.0500	96	99	98	3	40.0	58-120
delta-BHC	UG/L	0.0401	0.0407	0.0500	0.0500	80	81	81	1	40.0	56-120
gamma-BHC (Lindane)	UG/L	0.0412	0.0423	0.0500	0.0500	82	85	84	4	40.0	50-120
4,4'-DDD	UG/L	0.0448	0.0450	0.0500	0.0500	90	90	90	0	40.0	57-130
4,4'-DDE	UG/L	0.0392	0.0425	0.0500	0.0500	78	85	82	8	40.0	33-126
Dieldrin	UG/L	0.0461	0.0479	0.0500	0.0500	92	96	94	4	40.0	45-125
4,4'-DDT	UG/L	0.0461	0.0497	0.0500	0.0500	92	99	96	7	40.0	52-121
Endosulfan I	UG/L	0.0275	0.0284	0.0500	0.0500	55	57	56	4	40.0	44-124
Endosulfan II	UG/L	0.0315	0.0328	0.0500	0.0500	63	66	65	5	40.0	40-124
Endosulfan Sulfate	UG/L	0.0578	0.0604	0.0500	0.0500	116	121	119	4	40.0	52-134
Endrin aldehyde	UG/L	0.0486	0.0504	0.0500	0.0500	97	101	99	4	40.0	39-122
Endrin	UG/L	0.0520	0.0544	0.0500	0.0500	104	109	107	5	40.0	53-127
Heptachlor	UG/L	0.0428	0.0452	0.0500	0.0500	86	90	88	4	40.0	17-120
Heptachlor epoxide	UG/L	0.0451	0.0466	0.0500	0.0500	90	93	92	3	40.0	53-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LFB
Lab Sample ID: A5B0629702 A5B0629701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
NYSDEC/T METALS (CA,MG,NA,K)					
TOTAL CALCIUM	UG/L	9992	10000	100	75-125
TOTAL MAGNESIUM	UG/L	9871	10000	99	75-125
TOTAL POTASSIUM	UG/L	10491	10000	105	75-125
TOTAL SODIUM	UG/L	9827	10000	98	75-125
NYSDEC/T METALS (MN,ZN,AS)					
TOTAL ARSENIC	UG/L	207.7	200.0	103	85-115
TOTAL MANGANESE	UG/L	203.4	200.0	102	85-115
TOTAL ZINC	UG/L	205.2	200.0	103	85-115
TOTAL METALS ANALYSIS					
NYSDEC - TOTAL IRON - W	UG/L	10184	10000	102	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A5B0624002 A5B0624001

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD 420.2 - TOTAL RECOVERABLE PHENO	MG/L	0.101	0.100	93	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank
Lab Sample ID: A5B0624802

LCS
A5B0624801

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	214.6	198.0	108	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank
Lab Sample ID: A5B0625702

LCS
A5B0625701

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
NYSDEC-160.2-TOTAL SUSPENDED SOLIDS	MG/L	706.0	718.0	98	88-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank
Lab Sample ID: A5B0626602

LCS
A5B0626601

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 335.2 - TOTAL CYANIDE	MG/L	0.408	0.400	102	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank
Lab Sample ID: A5B0627502

LCS
A5B0627501

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 310.2 - TOTAL ALKALINITY	MG/L	106.0	100.0	98	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank
Lab Sample ID: A5B0633902

LCS
A5B0633901

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 160.1 - TOTAL DISSOLVED SOLIDS	MG/L	510.0	500.0	102	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank
Lab Sample ID: A5B0658202

LCS
A5B0658201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD 300.0 - CHLORIDE	MG/L	9.69	10.0	93	90-110
METHOD 300.0 - SULFATE	MG/L	9.92	10.0	99	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank | Matrix Spike Blank | Matrix Spike Blk Dup
Lab Sample ID: A5B0661404 | A5B0661402 | A5B0661403

Analyte	Units of Measure	Concentration		Spike Amount		% Recovery			% RPD	QC LIMITS	
		Spike Blank	Spike Blank Dup	SB	SBD	SB	SBD	Avg		RPD	REC.
WET CHEMISTRY ANALYSIS											
METHOD 1664 - N-HEXANE EXTRACTABLE MAT	MG/L	9.00	8.80	10.0	10.0	90	88	89	2	18.0	78-114

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

NYSDEC - SW8463 8260/5 ML

Client Sample ID Job No & Lab Sample ID	POST-CARBON A05-4294 A5429401	PRE-CARBON A05-4294 A5429402			
Sample Date	04/29/2005 09:00	04/29/2005 08:30			
Received Date	04/29/2005 09:35	04/29/2005 09:35			
Extraction Date					
Analysis Date	05/10/2005 00:05	05/10/2005 00:22			
Extraction HT Met?	-	-			
Analytical HT Met?	YES	YES			
Sample Matrix	GW	GW			
Dilution Factor	1.0	20.0			
Sample wt/vol	0.005 LITERS	0.005 LITERS			
% Dry					

NA = Not Applicable

NYSDEC - SW8463 8260/5 ML

Client Sample ID Job No & Lab Sample ID	vblk09 A05-4294 A5B0683905	vblk10 A05-4294 A5B0683906			
Sample Date					
Received Date					
Extraction Date					
Analysis Date	05/09/2005 16:47	05/09/2005 17:05			
Extraction HT Met?	-	-			
Analytical HT Met?	-	-			
Sample Matrix	WATER	WATER			
Dilution Factor	1.0	1.0			
Sample wt/vol	0.005 LITERS	0.005 LITERS			
% Dry					

NA = Not Applicable

METHOD 8021 - VOLATILE ORGANICS - STARS

Client Sample ID Job No & Lab Sample ID	POST-CARBON A05-4294 A5429401	PRE-CARBON A05-4294 A5429402			
Sample Date	04/29/2005 09:00	04/29/2005 08:30			
Received Date	04/29/2005 09:35	04/29/2005 09:35			
Extraction Date					
Analysis Date	05/03/2005 17:34	05/03/2005 18:06			
Extraction HT Met?	-	-			
Analytical HT Met?	YES	YES			
Sample Matrix	GW	GW			
Dilution Factor	1.0	200.0			
Sample wt/vol	0.005 LITERS	0.005 LITERS			
% Dry					

NA = Not Applicable

METHOD 8021 - VOLATILE ORGANICS - STARS

Client Sample ID	VBLK166				
Job No & Lab Sample ID	A05-4294 A5B0659701				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	05/03/2005 09:05				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

NYSDEC - METHOD 8270 GASTOWN

Client Sample ID Job No & Lab Sample ID	POST-CARBON A05-4294 A5429401				
Sample Date	04/29/2005 09:00				
Received Date	04/29/2005 09:35				
Extraction Date	04/30/2005 09:30				
Analysis Date	05/01/2005 23:16				
Extraction HT Met?	YES				
Analytical HT Met?	YES				
Sample Matrix	GW				
Dilution Factor	1.0				
Sample wt/vol	1.06 LITERS				
% Dry					

NA = Not Applicable

NYSDEC - METHOD 8270 GASTOWN

Client Sample ID Job No & Lab Sample ID	sblk A05-4294 A5B0625902				
Sample Date					
Received Date					
Extraction Date	04/30/2005 09:30				
Analysis Date	05/01/2005 18:56				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	1.0 LITERS				
% Dry					

NA = Not Applicable

GASTOWN - METHOD 608 - P.P. PESTICIDES

Client Sample ID Job No & Lab Sample ID	POST-CARBON A05-4294 A5429401				
Sample Date	04/29/2005 09:00				
Received Date	04/29/2005 09:35				
Extraction Date	05/02/2005 07:00				
Analysis Date	05/11/2005 02:34				
Extraction HT Met?	YES				
Analytical HT Met?	YES				
Sample Matrix	GW				
Dilution Factor	1.0				
Sample wt/vol	1.0 LITERS				
% Dry					

NA = Not Applicable

GASTOWN - METHOD 608 - P.P. PESTICIDES

Client Sample ID Job No & Lab Sample ID	Method Blank A05-4294 A5B0628103				
Sample Date					
Received Date					
Extraction Date	05/02/2005 07:00				
Analysis Date	05/11/2005 01:54				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	1.0 LITERS				
% Dry					

NA = Not Applicable

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A5429401	POST-CARBON	RECNY	Manganese - Total	200.7	1.0	0.05	L	04/29/05 09:00	04/29 09:35	NA		05/02 17:15	BKL	Y	GW
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/29/05 09:00	04/29 09:35	NA		05/02 17:15	BKL	Y	GW
		RECNY	Arsenic - Total	200.7	1.0	0.05	L	04/29/05 09:00	04/29 09:35	NA		05/02 17:15	BKL	Y	GW
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/29/05 09:00	04/29 09:35	NA		05/02 17:15	BKL	Y	GW
A5429402	PRE-CARBON	RECNY	Calcium - Total	200.7	1.0	0.05	L	04/29/05 08:30	04/29 09:35	NA		05/02 17:20	BKL	Y	GW
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/29/05 08:30	04/29 09:35	NA		05/02 17:20	BKL	Y	GW
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/29/05 08:30	04/29 09:35	NA		05/02 17:20	BKL	Y	GW
		RECNY	Potassium - Total	200.7	1.0	0.05	L	04/29/05 08:30	04/29 09:35	NA		05/02 17:20	BKL	Y	GW
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/29/05 08:30	04/29 09:35	NA		05/02 17:20	BKL	Y	GW

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A5B0629702	Method Blank	RECNY	Calcium - Total	200.7	1.0	0.05 L	-	-	NA		05/02 15:13	BKL	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05 L	-	-	NA		05/02 15:13	BKL	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05 L	-	-	NA		05/02 15:13	BKL	Y	WATER
		RECNY	Potassium - Total	200.7	1.0	0.05 L	-	-	NA		05/02 15:13	BKL	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05 L	-	-	NA		05/02 15:13	BKL	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05 L	-	-	NA		05/02 15:13	BKL	Y	WATER
		RECNY	Arsenic - Total	200.7	1.0	0.05 L	-	-	NA		05/02 15:13	BKL	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05 L	-	-	NA		05/02 15:13	BKL	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A5429401	POST-CARBON	RECNY	Biochemical Oxygen Demand	405.1	1.0		04/29/05 09:00	04/29 09:35	NA		04/29 16:00	MR	Y	GW
		RECNY	Total Recoverable Phenolics	420.2	1.0		04/29/05 09:00	04/29 09:35	NA		05/03 12:17	LRM	Y	GW
		RECNY	Total Suspended Solids	160.2	1.0		04/29/05 09:00	04/29 09:35	NA		04/30 10:30	SM	Y	GW
		RECNY	pH	150.1	1.0		04/29/05 09:00	04/29 09:35	NA		04/29 17:20	SM	Y	GW
		RECNY	Total Dissolved Solids	160.1	1.0		04/29/05 09:00	04/29 09:35	NA		05/02 14:10	KD	Y	GW
		RECNY	Cyanide - Total	335.2	1.0		04/29/05 09:00	04/29 09:35	NA		05/02 11:30	LRM	Y	GW
		RECNY	Oil & Grease	1664	1.0		04/29/05 09:00	04/29 09:35	NA		05/05 21:00	SH	Y	GW
A5429402	PRE-CARBON	RECNY	Chloride	300.0	5.0		04/29/05 08:30	04/29 09:35	NA		05/05 15:22	SS	Y	GW
		RECNY	Sulfate	300.0	5.0		04/29/05 08:30	04/29 09:35	NA		05/05 15:22	SS	Y	GW
		RECNY	Total Alkalinity	310.2	5.0		04/29/05 08:30	04/29 09:35	NA		04/30 10:36	MG	Y	GW

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A5B0624002	Method Blank	RECNY	Total Recoverable Phenolics	420.2	1.0		-	-	NA		05/03 12:17	LRM	Y	WATER
A5B0624802	Method Blank	RECNY	Biochemical Oxygen Demand	405.1	1.0		-	-	NA		04/29 16:00	MR	Y	WATER
A5B0625702	Method Blank	RECNY	Total Suspended Solids	160.2	1.0		-	-	NA		04/30 10:30	SM	Y	WATER
A5B0626602	Method Blank	RECNY	Cyanide - Total	335.2	1.0		-	-	NA		05/02 11:30	LRM	Y	WATER
A5B0627502	Method Blank	RECNY	Total Alkalinity	310.2	1.0		-	-	NA		04/30 10:36	MG	Y	WATER
A5B0661404	Method Blank	RECNY	Oil & Grease	1664	1.0		-	-	NA		05/05 21:00	SH	Y	WATER
A5B0633902	Method Blank	RECNY	Total Dissolved Solids	160.1	1.0		-	-	NA		05/02 14:10	KD	Y	WATER
A5B0658202	Method Blank	RECNY	Chloride	300.0	1.0		-	-	NA		05/05 15:22	SS	Y	WATER
		RECNY	Sulfate	300.0	1.0		-	-	NA		05/05 15:22	SS	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC	Glen May	4-29-05	141392
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
270 Michigan Ave.			
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Bflo. / N.Y. / 14203			
Project Name and Location (State)	**Carrier/Waybill Number**		
Gastown Sportsman's Club			
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 (Attach list if more space is needed)
Pre Carbon	4-29-05	0830		X									
Post Carbon	4-29-05	0900		X									

Special Instructions/ Conditions of Receipt

AS Per AC 51954

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	4-29-05	0935	1. Received By	04-29-05	0935
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

3.6° C

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

59/59