



REPORT OF ANALYTICAL RESULTS

NETLAB Case Number A0404-34

Prepared for:

Attn: James Wilcox
Cambridge DPW
147 Hampshire Street
Cambridge, MA 02139

Report Date: April 11, 2014

Reviewed by:

Dawn Wojcik
Deputy Director

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

CASE NARRATIVE:

Sample Receipt

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding-times. Procedure/calibration checks required by the designated protocols were within control limits.

pH:

The pH analysis was performed outside of the method specified holding time of “immediately after collection.”

Date Collected	4/4/14	4/4/14	Date Analyzed
Location/ Sample ID	St Sauver Ct	Huron Ave	
pH , 4500H+B (S.U)	7.54	7.31	4/4/14 @ 16:00
Conductivity , 2510B (umhos/cm)	1,493	1,028	4/9/14
Fecal Coliform , SM9222D (col/100ml)	1,500	127,000	4/4/14 @ 15:05
E.coli , SM9223B (MPN/100ml)	749	10,462	4/4/14 @ 15:05
Enterococci , Enterolert (MPN/100ml)	<10	<10	4/4/14 @ 15:05
Ammonia SM18-B,F19,20-B,D-ELC (mg/l)	ND	0.3	4/8/14
TKN SM18-B,F19,20-B,D-ELC (mg/l)	ND	0.3	4/8/14
Nitrate , 4500NO3-E (mg/l)	2.79	2.97	4/4/14 @ 17:30
T. Phosphorus , 4500-P-B,E (mg/l)	0.06	0.10	4/8/14
BOD5 , 5210B (mg/l)	<4	<4	4/4/14 @ 16:30
TSS , 2540D (mg/l)	3	3	4/9/14

Date Collected	4/4/14	4/4/14	Date Analyzed
Location/ Sample ID	'Blanchard Rd	Acqrn Park Drive	
pH , 4500H+B (S.U)	7.08	6.85	4/4/14 @ 16:00
Conductivity , 2510B (umhos/cm)	1,202	2,630	4/9/14
Fecal Coliform , SM9222D (col/100ml)	400	<100	4/4/14 @ 15:05
E.coli , SM9223B (MPN/100ml)	1,850	<10	4/4/14 @ 15:05
Enterococci , Enterolert (MPN/100ml)	<10	<10	4/4/14 @ 15:05
Ammonia SM18-B,F19,20-B,D-ELC (mg/l)	ND	0.4	4/8/14
TKN SM18-B,F19,20-B,D-ELC (mg/l)	ND	0.6	4/8/14
Nitrate , 4500NO3-E (mg/l)	1.55	0.11	4/4/14 @ 17:30
T. Phosphorus , 4500-P-B,E (mg/l)	0.02	0.02	4/8/14
BOD5 , 5210B (mg/l)	<4	12	4/4/14 @ 16:30
TSS , 2540D (mg/l)	ND	14	4/9/14
Oil & Grease , 1664 (mg/l)	ND	NA	4/10/14

Date Collected	4/4/14	4/4/14	Date Analyzed
Location/ Sample ID	Outfall No. of Cambridge Park Dr	Oxbow	
pH , 4500H+B (S.U)	6.91	7.20	4/4/14 @ 16:00
Conductivity , 2510B (umhos/cm)	2,330	1,165	4/9/14
Fecal Coliform , SM9222D (col/100ml)	200	200	4/4/14 @ 15:05
E.coli , SM9223B (MPN/100ml)	100	84	4/4/14 @ 15:05
Enterococci , Enterolert (MPN/100ml)	10	<10	4/4/14 @ 15:05
Ammonia SM18-B,F19,20-B,D-ELC (mg/l)	1.0	0.3	4/8/14
TKN SM18-B,F19,20-B,D-ELC (mg/l)	1.2	0.4	4/8/14
Nitrate , 4500NO3-E (mg/l)	0.90	0.79	4/4/14 @ 17:30
T. Phosphorus , 4500-P-B,E (mg/l)	0.03	0.07	4/8/14
BOD5 , 5210B (mg/l)	<4	4	4/4/14 @ 16:30
TSS , 2540D (mg/l)	12	42	4/9/14

Date Collected	4/4/14	4/4/14	Date Analyzed
Location/ Sample ID	Wetland	CVS Loading Dock	
pH , 4500H+B (S.U)	7.34	8.68	4/4/14 @ 16:00
Conductivity , 2510B (umhos/cm)	999	1,857	4/9/14
Fecal Coliform , SM9222D (col/100ml)	<100	<100	4/4/14 @ 15:05
E.coli , SM9223B (MPN/100ml)	<10	<10	4/4/14 @ 15:05
Enterococci , Enterolert (MPN/100ml)	<10	<10	4/4/14 @ 15:05
Ammonia SM18-B,F19,20-B,D-ELC (mg/l)	ND	1.0	4/8/14
TKN SM18-B,F19,20-B,D-ELC (mg/l)	0.2	1.0	4/8/14
Nitrate , 4500NO3-E (mg/l)	0.04	0.58	4/4/14 @ 17:30
T. Phosphorus , 4500-P-B,E (mg/l)	0.08	0.07	4/8/14
BOD5 , 5210B (mg/l)	<4	<4	4/4/14 @ 16:30
TSS , 2540D (mg/l)	5	45	4/9/14

Date Collected	4/4/14	4/4/14	Date Analyzed
Location/ Sample ID	Wheeler St	Fawcett St	
pH , 4500H+B (S.U)	7.05	9.82	4/4/14 @ 16:00
Conductivity , 2510B (umhos/cm)	2,880	1,277	4/9/14
Fecal Coliform , SM9222D (col/100ml)	5,000	400	4/4/14 @ 15:05
E.coli , SM9223B (MPN/100ml)	2,160	<10	4/4/14 @ 15:05
Enterococci , Enterolert (MPN/100ml)	<10	<10	4/4/14 @ 15:05
Ammonia SM18-B,F19,20-B,D-ELC (mg/l)	1.1	3.0	4/8/14
TKN SM18-B,F19,20-B,D-ELC (mg/l)	2.0	4.9	4/8/14
Nitrate , 4500NO3-E (mg/l)	1.07	5.72	4/4/14 @ 17:30
T. Phosphorus , 4500-P-B,E (mg/l)	0.04	0.21	4/8/14
BOD5 , 5210B (mg/l)	<4	<4	4/4/14 @ 16:30
TSS , 2540D (mg/l)	16	26	4/9/14

Date Collected	4/4/14	4/4/14	Date Analyzed
Location/ Sample ID	'Normandy Terrace	Harrison Ave	
pH , 4500H+B (S.U)	7.16	7.16	4/4/14 @ 16:00
Conductivity , 2510B (umhos/cm)	1,134	1,212	4/9/14
Fecal Coliform , SM9222D (col/100ml)	2,400	2,600	4/4/14 @ 15:05
E.coli , SM9223B (MPN/100ml)	200	740	4/4/14 @ 15:05
Enterococci , Enterolert (MPN/100ml)	10	10	4/4/14 @ 15:05
Ammonia SM18-B,F19,20-B,D-ELC (mg/l)	1.0	0.3	4/8/14
TKN SM18-B,F19,20-B,D-ELC (mg/l)	1.9	0.5	4/8/14
Nitrate , 4500NO3-E (mg/l)	0.90	0.53	4/4/14 @ 17:30
T. Phosphorus , 4500-P-B,E (mg/l)	0.04	0.09	4/8/14
BOD₅ , 5210B (mg/l)	6	<4	4/4/14 @ 16:30
TSS , 2540D (mg/l)	9	22	4/9/14

The samples listed above were submitted to New England Testing Laboratory on April 4, 2014. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is A0404-34.

These Method(s) are documented in: *Standard Method for the Examination of Water and Wastewater*, 20th Edition, 1998, APHA, AWWA-WPCF.

AD0404-34

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CHAIN OF CUSTODY RECORD

PROJECT NAME/LOCATION		PRESERVATIVE			TESTS**			REMARKS			SPECIAL INSTRUCTIONS								
DATE	TIME	COMP	GRAB	SCOECO	NO. OF CONTAINERS	OTHER	SOIL	PH	COND	FECAL COLI	ENTEROCOCCI	TRIPLE NEGATIVE	NITRATE NITROGEN	TKN	TOTAL PHOSPHORS	ISS	BOP	FOP	
client		James Wilcox 617 349 4800			Atewire Brook														
report to:		J Wilcox @ cambridge mb. gov																	
invoice to:		cambridge MA 02139																	
4-4	910	X		X	5			X	X	X	X	X	X	X	X	X	X	X	
925					5														
945					6														
1000					5														
1015																			
1030																			
1045																			
1100																			
1115																			
1130																			
1145																			
1200																			

Sampled by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Wendy Robinson</i>	4-4-14 910	<i>Don Chompy</i>	4/14/14 1300
<i>Wendy Robinson</i>	4-4-14 1030	<i>Don Chompy</i>	4/14/14 1505
<i>Don Chompy</i>	4/14/14 1505	<i>Don Chompy</i>	

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates