

# CERTIFICATE OF ANALYSIS

**CAMBRIDGE DEPARTMENT OF PUBLIC WORKS**  
 147 HAMPSHIRE ST.  
 CAMBRIDGE, MA 02139

**Report No.: 49911**

Report Date: 9/17/09

Page 1 of 1

**RE: CHARLES RIVER EPA-DEP STORM DRAIN SAMPLES**

**Sample Collection:** Samples collected by client on date of August 19, 2009

**Sample Received Date/Time:** 8/19/09, 11:15 AM

SAMPLE ID	1	2	3	4	5	6	7
DATE COLLECTED	8/19/09	8/19/09	8/19/09	8/19/09	8/19/09	8/19/09	8/19/09
LOCATION	Lechmere Canal	North Point D & C	K Rendall St.	Pleasant St.	Pearl St.	Amesbury St.	South Mass Ave.
pH Value (S. U.)	7.08	7.29	7.26	6.88	6.52	7.04	7.14
Conductivity (µmhos/cm)	417	1660	1430	274	865	343	361
Fecal Coliform (CFU/100mL)	100	< 100	1000	400	2100	300	300
E.Coli (CFU/100mL)	< 100	< 100	< 100	< 100	730	360	100
Enterococci (CFU/100mL)	< 100	< 100	< 100	< 100	3000	< 100	< 100
Ammonia Nitrogen (mg/L)	0.21	0.33	0.56	0.15	0.79	0.16	0.53
Total Kjeldhal Nitrogen (mg/L)	0.58	0.52	0.64	0.68	1.8	0.90	0.83
Nitrate Nitrogen (mg/L)	0.125	1.40	1.31	0.332	< 0.01	0.403	0.220
Total Phosphorus (mg/L)	0.033	0.036	< 0.020	0.034	0.12	0.057	0.039
Biochemical Oxygen Demand (mg/L)	3.4	< 2	< 2	< 2	< 2	< 2	2.5
Total Suspended Solids (mg/L)	8.0	< 1.0	23	7.0	24	30	10

G & L Labs, Inc.

 9/18/09

Diana Liu, Date  
 Lab Director