

## CERTIFICATE OF ANALYSIS

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

**Report No.: 49241**  
 Report Date: 8/17/09  
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**RE: ALEWIFE BROOK EPA-DEP STORM DRAIN SAMPLES**

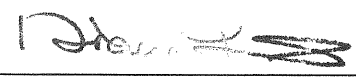
**Sample Collection:** Samples collected by client on date of July 16, 2009

**Sample Received Date/Time:** 7/16/09, 12:30 PM

**Analytical Results:**

SAMPLE ID	A	B	C	D	E	F	G	H
<b>DATE COLLECTED</b>	7/16/09	7/16/09	7/16/09	7/16/09	7/16/09	7/16/09	7/16/09	7/16/09
<b>LOCATION</b>	<b>St. Saviour Court Belmont 48"</b>	<b>Huron Avenue Belmont 39"</b>	<b>Blanchard Road @ Wellington Brook</b>	<b>Acorn Park</b>	<b>Outfall North of Cambridge Park Drive</b>	<b>Wheeler St.</b>	<b>Fawcett Street</b>	<b>Normandy Terrace</b>
pH Value (S.U.)	7.08	6.91	6.59	6.98	6.73	7.78	6.77	6.89
Conductivity (µmhos/cm)	695	466	568	621	786	566	551	620
Fecal Coliform (CFU/100mL)	20,000	26,000	2200	< 100	< 100	< 100	< 100	1100
E.Coli (CFU/100mL)	6600	25,000	1200	800	< 100	< 100	< 100	700
Enterococci (CFU/100mL)	3600	27,000	1200	200	< 100	< 100	< 100	100
Ammonia Nitrogen (mg/L)	0.067	1.9	0.13	0.40	1.3	0.58	0.75	1.0
Total Kjeldhal Nitrogen (mg/L)	0.63	3.3	< 0.50	0.58	1.4	0.61	0.89	1.1
Nitrate Nitrogen (mg/L)	3.0	3.2	3.3	0.50	0.67	0.85	0.34	1.6
Total Phosphorus (mg/L)	0.051	0.26	0.069	0.049	0.028	< 0.020	< 0.020	0.045
Biochemical Oxygen Demand (mg/L)	< 2.0	2.9	< 2.0	< 2.0	< 2.0	< 2.0	3.5	< 2
Total Suspended Solids (mg/L)	< 1.0	8.0	6.0	11	5.0	2.0	24	< 1.0
Total Oil & Grease (mg/L)	—	—	—	—	—	< 3.3	—	—

G & L Labs, Inc.

  
 Diana Liu  
 Lab Director

8/18/09  
 Date