

CERTIFICATE OF ANALYSIS

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

Report No. 32168
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 Report Date: 2/24/05

RE: CHARLES RIVER EPA-DEP STORM DRAIN SAMPLES

Sample Collection: Samples collected by Paul Blinco, PhD, P.E. on DATE of Feb. 8 and Feb. 9, 2005

Analytical Results:

SAMPLE ID	1	2	3	4	5	6	7	8	9	10	11	13
DATE COLLECTED	2/8/2005	2/8/2005	2/8/2005	2/8/2005	2/8/2005	2/8/2005	2/8/2005	2/8/2005	2/8/2005	2/8/2005	2/9/2005	
LOCATION	Broad Canal	Main Street	Wadsworth	Ames	Danforth Street	Endicott Street	Flagg Street	DeWolfe Street	John F. Kennedy Street West	Sparks	University	Brewer
pH Value (S.U.)	7.1	9.0	7.3	6.9	7.0	7.2	7.3	7.3	7.5	7.3	7.3	Dry
Conductivity (µmhos/cm)	720	460	1,160	1,460	1,680	1,400	680	1600	1,240	680	2200	Dry
Fecal Coliform(CFU/100 ml)	100	<100	100	200	<100	7,700	1,400	15,000	1,200	<100	<100	Dry
E. coli(CFU/100 ml)	<100	<100	<100	<100	<100	6,900	100	7,600	800	<100	<100	Dry
Enterococci(CFU/100 ml)	<100	<100	<100	<100	<100	1,200	100	1,000	<100	<100	<100	Dry
Ammonia Nitrogen (mg/l)	0.407	0.772	0.876	0.645	0.413	0.778	0.436	1.92	0.326	0.616	2.07	Dry
Total Kjeldhal Nitrogen (mg/l)	<0.707	0.972	2.58	1.39	1.10	2.39	0.734	2.63	<0.707	0.882	2.32	Dry
Nitrate Nitrogen (mg/l)	0.930	0.470	<0.200	0.260	0.980	<0.200	0.960	1.99	2.17	0.940	<0.05	Dry
Total Phosphorus (mg/l)	0.0849	<0.0746	0.0779	0.189	<0.0746	0.178	<0.0746	0.291	<0.0746	<0.0746	0.149	Dry
Biochemical Oxygen Demand (mg/l)	<4.00	<4.00	62.1	<4.00	<4.00	21.8	<4.00	<4.00	<4.00	<4.00	<4.0	Dry
Total Suspended Solids (mg/l)	4.44	<4.00	443	17.0	5.15	29.0	6.19	61.0	12.0	87.6	23.0	Dry

Methods: Standard Methods for the Analysis of Water & Wastewater, 19th edition, 1995, and Methods for Chemical Analysis of Water & Wastewater, EPA 600/4-79-020 (1983).

M-24353, MA-015

Laboratory Director: _____

Diana Liu,

Date

Diana Liu → 2/24/05