



# HUB TESTING LABORATORY, INC.

Environmental Testing and Consulting Service  
Certified Woman-owned Business Enterprise (WBE)

June 15, 2016

95 Beaver Street  
Waltham, MA 02453

Report For: City of Somerville-DPW  
Attn: Walter Whitney  
Superintendent of Buildings & Grounds  
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Somerville, MA 02145

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Hub ID: 26300 and 26312

Project ID: Parks & Playgrounds

Date Collected: June 9, 2016 & June 10, 2016

Scope: Water testing was performed by Hub Testing Laboratory at water fountains and/or outlets at park and playground locations as supplied by Walter Whitney. Samples were collected as grab samples. A total of twenty-six (26) water samples were collected and it was requested that the samples be analyzed for lead and copper.

Methodology: Copper was analyzed using EPA 200.7. Lead was analyzed using SM 3113B.

### Results:

Hub ID	Sample Location	Copper (mg/L)	Lead (mg/L)	Standard/Limit
26308-P1	Fountain, Grimmons Park	0.035	0.002	Copper – 1.3 mg/L
26308-P2	Fountain, Florence Playground	0.035	ND	
26308-P3	High fountain, Glen Park – Capuano Garden	0.039	ND	
26308-P4	Low fountain, Glen Park – Capuano Garden	0.034	ND	
26308-P5	Fountain, Corbett-McKenna Park	0.067	0.001	
26308-P6	Fountain, Prospect Hill Park	0.015	ND	
26308-P7	Fountain, Stone Place Park	0.014	ND	
26308-P8	Fountain, Walnut Street Park	0.073	ND	
26308-P9	Fountain, Central Hill	0.033	ND	
26308-P10	Fountain, Osgood Park	0.025	0.016	
26308-P11	Fountain next to small playscape, Small Lincoln	0.111	0.006	Lead – 0.015 mg/L (action level)
26308-P12	Fountain, Perry Park	0.114	0.002	
26308-P13	Fountain, Palmacci Playground	0.033	ND	Lead – 0.020 mg/L (EPA level)
26308-P14	Fountain, Conway Park	0.023	0.002	
26312-P15	Fountain, Morse-Kelley Playground	0.037	0.003	
26312-P16	Fountain, Dickerman Playground	0.091	0.001	
26312-P17	Fountain, Hoyt-Sullivan Park	0.04	0.002	
26312-P18	Fountain, Somerville Junction Park	0.1	0.005	
26312-P19	Fountain, Albion Playground	0.034	0.003	
26312-P20	Fountain, Trum Tot Lot	0.025	ND	
26312-P21	Fountain, Trum Field	0.014	ND	
26312-P22	Fountain, Lexington Park	0.151	ND	

Results:

Hub ID	Sample Location	Copper (mg/L)	Lead (mg/L)	Standard/Limit
26312-P23	Fountain, Kenney Park	0.14	0.002	Copper – 1.3 mg/L
26312-P24	Fountain, Statue Park	0.113	0.001	
26312-P25	Hodgkins-Curtain Park – Fountain was not working, sample not collected.			
26312-P26	Fountain, North Street Playground	0.233	ND	
26312-P27	Woodstock Playground – Fountain is present but not functioning.			Lead – 0.015 mg/L (action level)
26312-P28	Lincoln Park – Fountain is present but not functioning.			
26312-P29	Perkins Park – Fountain is present but not functioning.			
26312-P30	Leathers Community Park – Fountain is present but not functioning.			Lead – 0.020 mg/L (EPA level)
26312-P31	Hansen Park – No fountain present in park.			
26312-P32	Otis Street Playground – Under construction and fountain was not functioning, therefore no sample was collected.			

Lab Certification #: MA1118

ND – None Detected

Comments:

A 0.015 mg/L action level has been established by Massachusetts as a maximum contaminate level for public water systems. This is a trigger for treatment rather than an exposure level.

The EPA recommends that schools collect a 250 mL first-draw samples from water fountains and other outlets used for consumption. If initial samples are below 0.020 mg/L then the outlet is safe to use. If the initial samples exceed the 0.020 mg/L then the water fountains and/or outlets should be taken out of service and a follow-up flush sample should be performed. Follow-up flush samples are collected after the water runs for a set period of time.

The results from the sampling performed indicate lead concentrations in all samples below the 0.020 mg/L. However sample 26308-10P, which was collected from the fountain at the Osgood Park, is slightly elevated above the 0.015 mg/L established by Massachusetts as a maximum contaminate level for public water systems. It is recommended that fountain be tested semi-annually to ensure lead levels do not become elevated.

The results from the sampling performed indicate copper concentrations in all samples below the 1.3 mg/L.



Susan Boyle, President  
Hub Testing Laboratory