United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Date: 8/30/2018

Subject: Analytical Testing Results - Project R18V01
SDG: 18235C

From: Peter Husby, Director
EPA Region 9 Laboratory
EMD-3-1

To: Amy Wagner
Water Quality Assessment Section
WTR-2-1

Attached are the results from the analysis of samples from the **Lake Merritt 2018 Citizen Science Monitoring** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Cynthia Williams, the Lab Project Manager at (510)412-2300.

Electronic CC: Rose Foundation for Communities and the Environmen
Carlos Zambrano
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Analyses included in this report:

Total Coliforms and E.coli

United States Environmental Protection Agency
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1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Amy Wagner	**Water Quality Assessment Section**		**SDG:**	18235C
Project Number:	R18V01	**75 Hawthorne Street**		**Reported:**	08/30/18 08:11
Project:	Lake Merritt 2018 Citizen Science Monitoring	**San Francisco CA, 94105**			

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
Bandstand	1808045-01	Water	08/23/18 09:20	08/23/18 13:20
LMBC dock	1808045-02	Water	08/23/18 09:33	08/23/18 13:20
RNC Outlook	1808045-03	Water	08/23/18 09:41	08/23/18 13:20
TG inside	1808045-04	Water	08/23/18 09:53	08/23/18 13:20
18th St.	1808045-05	Water	08/23/18 10:05	08/23/18 13:20
1200 Lakeside, Sta 17th	1808045-06	Water	08/23/18 10:15	08/23/18 13:20
20th St. Outfall 51	1808045-07	Water	08/23/18 10:42	08/23/18 13:20
21st St. Outfall	1808045-08	Water	08/23/18 10:47	08/23/18 13:20
GE Creek Bridge	1808045-09	Water	08/23/18 11:04	08/23/18 13:20
GE Creek Lake Side	1808045-10	Water	08/23/18 10:56	08/23/18 13:20
19th St. Dock	1808045-11	Water	08/23/18 10:30	08/23/18 13:20
Outfall 56	1808045-12	Water	08/23/18 10:52	08/23/18 13:20
LM Channel	1808045-13	Water	08/23/18 11:40	08/23/18 13:20

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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1808045-01									**Water - Sampled: 08/23/18 09:20**
Sample ID: Bandstand									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		4,900		10	MPN/100 mL	B18H121	08/23/18	08/23/18	SM9223B
E. Coli		370		10	"	"	"	"	SM9223B
Lab ID: 1808045-02									**Water - Sampled: 08/23/18 09:33**
Sample ID: LMBC dock									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		560		10	MPN/100 mL	B18H121	08/23/18	08/23/18	SM9223B
E. Coli		130		10	"	"	"	"	SM9223B
Lab ID: 1808045-03									**Water - Sampled: 08/23/18 09:41**
Sample ID: RNC Outlook									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		1,400		10	MPN/100 mL	B18H121	08/23/18	08/23/18	SM9223B
E. Coli		150		10	"	"	"	"	SM9223B
Lab ID: 1808045-04									**Water - Sampled: 08/23/18 09:53**
Sample ID: TG inside									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		>240,000		100	MPN/100 mL	B18H121	08/23/18	08/23/18	SM9223B
E. Coli		52,000		100	"	"	"	"	SM9223B
Lab ID: 1808045-05									**Water - Sampled: 08/23/18 10:05**
Sample ID: 18th St.									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		1,200		10	MPN/100 mL	B18H121	08/23/18	08/23/18	SM9223B
E. Coli		50		10	"	"	"	"	SM9223B
Lab ID: 1808045-06									**Water - Sampled: 08/23/18 10:15**
Sample ID: 1200 Lakeside, Sta 17th									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		430		10	MPN/100 mL	B18H121	08/23/18	08/23/18	SM9223B
E. Coli		50		10	"	"	"	"	SM9223B
Lab ID: 1808045-07									**Water - Sampled: 08/23/18 10:42**
Sample ID: 20th St. Outfall 51									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		>24,000		10	MPN/100 mL	B18H121	08/23/18	08/23/18	SM9223B
E. Coli		580		10	"	"	"	"	SM9223B
Lab ID: 1808045-08									**Water - Sampled: 08/23/18 10:47**
Sample ID: 21st St. Outfall									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		24,000		10	MPN/100 mL	B18H121	08/23/18	08/23/18	SM9223B
E. Coli		2,200		10	"	"	"	"	SM9223B
Lab ID: 1808045-09									**Water - Sampled: 08/23/18 11:04**
Sample ID: GE Creek Bridge									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		>24,000		10	MPN/100 mL	B18H121	08/23/18	08/23/18	SM9223B
E. Coli		24,000		10	"	"	"	"	SM9223B
Lab ID: 1808045-10									**Water - Sampled: 08/23/18 10:56**

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Project Number:	R18V01	**75 Hawthorne Street**	**Reported:** 08/30/18 08:11
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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Sample ID: **GE Creek Lake Side**						**Microbiological Parameters by APHA Standard Methods**			
Total Coliforms		>24,000		10	MPN/100 mL	B18H121	08/23/18	08/23/18	SM9223B
E. Coli		>24,000		10	"	"	"	"	SM9223B
Lab ID: **1808045-11**								**Water - Sampled: 08/23/18 10:30**	
Sample ID: **19th St. Dock**						**Microbiological Parameters by APHA Standard Methods**			
Total Coliforms		>24,000		10	MPN/100 mL	B18H121	08/23/18	08/23/18	SM9223B
E. Coli		4,600		10	"	"	"	"	SM9223B
Lab ID: **1808045-12**								**Water - Sampled: 08/23/18 10:52**	
Sample ID: **Outfall 56**						**Microbiological Parameters by APHA Standard Methods**			
Total Coliforms		>24,000		10	MPN/100 mL	B18H121	08/23/18	08/23/18	SM9223B
E. Coli		3,100		10	"	"	"	"	SM9223B
Lab ID: **1808045-13**								**Water - Sampled: 08/23/18 11:40**	
Sample ID: **LM Channel**						**Microbiological Parameters by APHA Standard Methods**			
Total Coliforms		300		10	MPN/100 mL	B18H121	08/23/18	08/23/18	SM9223B
E. Coli		80		10	"	"	"	"	SM9223B

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B18H121 - - General Biology - Colilert Quantitray									**Prepared & Analyzed: 08/23/18**	
								Microbiological Parameters by APHA Standard Methods - Quality Control		
Blank (B18H121-BLK1)										
Total Coliforms	<ND		1	MPN/100 mL						
E. Coli	<ND		1	"						
Duplicate (B18H121-DUP1)		**Source: 1808045-05**								
Total Coliforms	1,300		10	MPN/100 mL		1,200			8	65
E. Coli	60		10	"		50			18	65

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Qualifiers and Comments

U	Not Detected
NR	Not Reported
RE1, RE2, etc:	Result is from a sample re-analysis.