United States Environmental Protection Agency
Region 9 Laboratory

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

Date: 8/31/2018

Subject: Analytical Testing Results - Project R18V01
SDG: 18242C

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

ED_002551_00000705-00001

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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:**	18242C
Project Number:	R18V01	**75 Hawthorne Street**		**Reported:**	08/31/18 10:34
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 Beach	1808067-01	Water	08/30/18 07:36	08/30/18 13:24
LMBC dock	1808067-02	Water	08/30/18 07:55	08/30/18 13:24
TG Inside	1808067-03	Water	08/30/18 08:30	08/30/18 13:24
18th St	1808067-04	Water	08/30/18 08:40	08/30/18 13:24
1200 Lakeside, Sta 17	1808067-05	Water	08/30/18 08:50	08/30/18 13:24
20th St Outfall 51	1808067-06	Water	08/30/18 09:20	08/30/18 13:24
21st St Outfall 54	1808067-07	Water	08/30/18 09:26	08/30/18 13:24
GE Creek Br	1808067-08	Water	08/30/18 09:40	08/30/18 13:24
GE Creek Lakeside	1808067-09	Water	08/30/18 09:35	08/30/18 13:24
19th St. Dock	1808067-10	Water	08/30/18 09:12	08/30/18 13:24
Outfall 56	1808067-11	Water	08/30/18 09:30	08/30/18 13:24
LM Channel	1808067-12	Water	08/30/18 13:00	08/30/18 13:24
RNC Outlook	1808067-13	Water	08/30/18 08:00	08/30/18 13:24

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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1808067-01									**Water - Sampled: 08/30/18 07:36**
Sample ID: Bandstand Beach									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		24,000		10	MPN/100 mL	B18H168	08/30/18	08/30/18	SM9223B
E. Coli		520		10	"	"	"	"	SM9223B
Lab ID: 1808067-02									**Water - Sampled: 08/30/18 07:55**
Sample ID: LMBC dock									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		290		10	MPN/100 mL	B18H168	08/30/18	08/30/18	SM9223B
E. Coli		40		10	"	"	"	"	SM9223B
Lab ID: 1808067-03									**Water - Sampled: 08/30/18 08:30**
Sample ID: TG Inside									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		200,000		100	MPN/100 mL	B18H168	08/30/18	08/30/18	SM9223B
E. Coli		58,000		100	"	"	"	"	SM9223B
Lab ID: 1808067-04									**Water - Sampled: 08/30/18 08:40**
Sample ID: 18th St									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		1,100		10	MPN/100 mL	B18H168	08/30/18	08/30/18	SM9223B
E. Coli		50		10	"	"	"	"	SM9223B
Lab ID: 1808067-05									**Water - Sampled: 08/30/18 08:50**
Sample ID: 1200 Lakeside, Sta 17									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		840		10	MPN/100 mL	B18H168	08/30/18	08/30/18	SM9223B
E. Coli		<10		10	"	"	"	"	SM9223B
Lab ID: 1808067-06									**Water - Sampled: 08/30/18 09:20**
Sample ID: 20th St Outfall 51									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		>24,000		10	MPN/100 mL	B18H168	08/30/18	08/30/18	SM9223B
E. Coli		90		10	"	"	"	"	SM9223B
Lab ID: 1808067-07									**Water - Sampled: 08/30/18 09:26**
Sample ID: 21st St Outfall 54									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		>24,000		10	MPN/100 mL	B18H168	08/30/18	08/30/18	SM9223B
E. Coli		>24,000		10	"	"	"	"	SM9223B
Lab ID: 1808067-08									**Water - Sampled: 08/30/18 09:40**
Sample ID: GE Creek Br									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		>240,000		100	MPN/100 mL	B18H168	08/30/18	08/30/18	SM9223B
E. Coli		200,000		100	"	"	"	"	SM9223B
Lab ID: 1808067-09									**Water - Sampled: 08/30/18 09:35**
Sample ID: GE Creek Lakeside									**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		>240,000		100	MPN/100 mL	B18H168	08/30/18	08/30/18	SM9223B
E. Coli		130,000		100	"	"	"	"	SM9223B
Lab ID: 1808067-10									**Water - Sampled: 08/30/18 09:12**

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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Sample ID: 19th St. Dock						**Microbiological Parameters by APHA Standard Methods**			
Total Coliforms		4,400		10	MPN/100 mL	B18H168	08/30/18	08/30/18	SM9223B
E. Coli		90		10	"	"	"	"	SM9223B
Lab ID: 1808067-11									**Water - Sampled: 08/30/18 09:30**
Sample ID: Outfall 56						**Microbiological Parameters by APHA Standard Methods**			
Total Coliforms		6,500		10	MPN/100 mL	B18H168	08/30/18	08/30/18	SM9223B
E. Coli		930		10	"	"	"	"	SM9223B
Lab ID: 1808067-12									**Water - Sampled: 08/30/18 13:00**
Sample ID: LM Channel						**Microbiological Parameters by APHA Standard Methods**			
Total Coliforms		7,300		10	MPN/100 mL	B18H168	08/30/18	08/30/18	SM9223B
E. Coli		10		10	"	"	"	"	SM9223B
Lab ID: 1808067-13									**Water - Sampled: 08/30/18 08:00**
Sample ID: RNC Outlook						**Microbiological Parameters by APHA Standard Methods**			
Total Coliforms		17,000		10	MPN/100 mL	B18H168	08/30/18	08/30/18	SM9223B
E. Coli		1,700		10	"	"	"	"	SM9223B

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B18H168 - - General Biology - Colilert Quantitray										**Prepared & Analyzed: 08/30/18**
								Microbiological Parameters by APHA Standard Methods - Quality Control		
Blank (B18H168-BLK1)										
Total Coliforms	<ND		1	MPN/100 mL						
E. Coli	<ND		1	"						
Duplicate (B18H168-DUP1)		**Source: 1808067-10**								
Total Coliforms	4,900		10	MPN/100 mL		4,400			11	65
E. Coli	100		10	"		90			11	65

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Qualifiers and Comments

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