United States Environmental Protection Agency
Region 9 Laboratory

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

Date: **8/21/2018**

Subject: **Analytical Testing Results - Project R18V01**
SDG: 18228B

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:**	18228B
Project Number:	R18V01	**75 Hawthorne Street**		**Reported:**	08/21/18 11:55
Project:	Lake Merritt 2018 Citizen Science Monitoring	**San Francisco CA, 94105**			

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
Band Stand	1808028-01	Water	08/16/18 09:10	08/16/18 12:27
LMBC Dock	1808028-02	Water	08/16/18 09:35	08/16/18 12:27
RNC	1808028-03	Water	08/16/18 09:50	08/16/18 12:27
TG inside petro barrier	1808028-04	Water	08/16/18 10:00	08/16/18 12:27
TG outside petro barrier	1808028-05	Water	08/16/18 10:05	08/16/18 12:27
18th Street	1808028-06	Water	08/16/18 10:24	08/16/18 12:27
1200 Lakeshore	1808028-07	Water	08/16/18 10:30	08/16/18 12:27
19th Street	1808028-08	Water	08/16/18 10:45	08/16/18 12:27
20th Street (#51)	1808028-09	Water	08/16/18 11:05	08/16/18 12:27
21th Street (#54)	1808028-10	Water	08/16/18 11:15	08/16/18 12:27
Glen Echo Inside	1808028-11	Water	08/16/18 11:27	08/16/18 12:27
Glen Echo Bridge	1808028-12	Water	08/16/18 11:28	08/16/18 12:27
Outfall (#56)	1808028-13	Water	08/16/18 11:20	08/16/18 12:27

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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**1808028-01**								**Water - Sampled: 08/16/18 09:10**
Sample ID:	**Band Stand**								**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		>24,000		10	MPN/100 mL	B18H094	08/16/18	08/16/18	SM9223B
E. Coli		10,000		10	"	"	"	"	SM9223B
Lab ID:	**1808028-02**								**Water - Sampled: 08/16/18 09:35**
Sample ID:	**LMBC Dock**								**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		1,100		10	MPN/100 mL	B18H094	08/16/18	08/16/18	SM9223B
E. Coli		190		10	"	"	"	"	SM9223B
Lab ID:	**1808028-03**								**Water - Sampled: 08/16/18 09:50**
Sample ID:	**RNC**								**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		8,700		10	MPN/100 mL	B18H094	08/16/18	08/16/18	SM9223B
E. Coli		760		10	"	"	"	"	SM9223B
Lab ID:	**1808028-04**								**Water - Sampled: 08/16/18 10:00**
Sample ID:	**TG inside petro barrier**								**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		>240,000		100	MPN/100 mL	B18H094	08/16/18	08/16/18	SM9223B
E. Coli		69,000		100	"	"	"	"	SM9223B
Lab ID:	**1808028-05**								**Water - Sampled: 08/16/18 10:05**
Sample ID:	**TG outside petro barrier**								**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		>24,000		10	MPN/100 mL	B18H094	08/16/18	08/16/18	SM9223B
E. Coli		4,900		10	"	"	"	"	SM9223B
Lab ID:	**1808028-06**								**Water - Sampled: 08/16/18 10:24**
Sample ID:	**18th Street**								**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		1,900		10	MPN/100 mL	B18H094	08/16/18	08/16/18	SM9223B
E. Coli		150		10	"	"	"	"	SM9223B
Lab ID:	**1808028-07**								**Water - Sampled: 08/16/18 10:30**
Sample ID:	**1200 Lakeshore**								**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		320		10	MPN/100 mL	B18H094	08/16/18	08/16/18	SM9223B
E. Coli		20		10	"	"	"	"	SM9223B
Lab ID:	**1808028-08**								**Water - Sampled: 08/16/18 10:45**
Sample ID:	**19th Street**								**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		790		10	MPN/100 mL	B18H094	08/16/18	08/16/18	SM9223B
E. Coli		50		10	"	"	"	"	SM9223B
Lab ID:	**1808028-09**								**Water - Sampled: 08/16/18 11:05**
Sample ID:	**20th Street (#51)**								**Microbiological Parameters by APHA Standard Methods**
Total Coliforms		2,600		10	MPN/100 mL	B18H094	08/16/18	08/16/18	SM9223B
E. Coli		20		10	"	"	"	"	SM9223B
Lab ID:	**1808028-10**								**Water - Sampled: 08/16/18 11:15**

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Project Number:	R18V01	**75 Hawthorne Street**	**Reported:** 08/21/18 11:55
Project:	Lake Merritt 2018 Citizen Science Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Sample ID: **21th Street (#54)**						**Microbiological Parameters by APHA Standard Methods**			
Total Coliforms		>24,000		10	MPN/100 mL	B18H094	08/16/18	08/16/18	SM9223B
E. Coli		620		10	"	"	"	"	SM9223B
Lab ID: **1808028-11**									**Water - Sampled: 08/16/18 11:27**
Sample ID: **Glen Echo Inside**						**Microbiological Parameters by APHA Standard Methods**			
Total Coliforms		>24,000		10	MPN/100 mL	B18H094	08/16/18	08/16/18	SM9223B
E. Coli		>24,000		10	"	"	"	"	SM9223B
Lab ID: **1808028-12**									**Water - Sampled: 08/16/18 11:28**
Sample ID: **Glen Echo Bridge**						**Microbiological Parameters by APHA Standard Methods**			
Total Coliforms		>24,000		10	MPN/100 mL	B18H094	08/16/18	08/16/18	SM9223B
E. Coli		>24,000		10	"	"	"	"	SM9223B
Lab ID: **1808028-13**									**Water - Sampled: 08/16/18 11:20**
Sample ID: **Outfall (#56)**						**Microbiological Parameters by APHA Standard Methods**			
Total Coliforms		>24,000		10	MPN/100 mL	B18H094	08/16/18	08/16/18	SM9223B
E. Coli		10,000		10	"	"	"	"	SM9223B

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B18H094 - - General Biology - Colilert Quantitray										**Prepared & Analyzed: 08/16/18**
								Microbiological Parameters by APHA Standard Methods - Quality Control		
Blank (B18H094-BLK1)										
Total Coliforms	<1		1	MPN/100 mL						
E. Coli	<1		1	"						
Duplicate (B18H094-DUP1)		**Source: 1808028-01**								
Total Coliforms	>24,000		10	MPN/100 mL	>	>24,000		NA	0	65
E. Coli	13,000		10	"		10,000			26	65

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Qualifiers and Comments

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