



## INORGANIC CHEMICALS ANALYSIS

Date of Report : July 11, 2017 Sample ID : STK1737645-002  
 Laboratory Name : **FGL Environmental** Approved By **Kelly A. Dunnahoo, B.S.**  
 Sampled On : 06/19/2017-10:40  
 Received On : 06/19/2017-14:30 Sampler : Ed Morley  
 Completed On : 06/22/2017 Employed By : Stockton East Water

Digitally signed by Kelly A. Dunnahoo, B.S.  
 Title: Laboratory Director  
 Date: 2017-07-11

System Name : STOCKTON EAST WATER DISTRICT Number : 3910006-006 EDT

Name Or Number of Sample Source : **STANISLAUS RIVER, END OF PIPELINE - RAW**

User ID : PTA Station Number : 3910006-006  
 Date/Time of Sample : 1706191040 Laboratory Code : 5 8 6 7  
 YMMDDTTT  
 Submitted By : **FGL Environmental** Phone # : (805) 392-2000

## GENERAL MINERAL &amp; PHYSICAL

MCL	UNITS	CHEMICALS	ENTRY	RESULT	DLR
	mg/L	Total Hardness (as CaCO <sub>3</sub> )	00900	20.7	1
	mg/L	Calcium (Ca)	00916	5	1
	mg/L	Magnesium (Mg)	00927	2	1
	mg/L	Sodium (Na)	00929	2	1
	mg/L	Potassium (K)	00937	ND	1
	meq/L	Total Cations		0.5	
	mg/L	Total Alkalinity (as CaCO <sub>3</sub> )	00410	30	10
	mg/L	Hydroxide (OH)	71830	ND	10
	mg/L	Carbonate (CO <sub>3</sub> )	00445	ND	10
	mg/L	Bicarbonate (HCO <sub>3</sub> )	00440	30	10
* 2	mg/L	Sulfate (SO <sub>4</sub> )	00945	2.4	0.5
* 2	mg/L	Chloride (Cl)	00940	ND	1
45	mg/L	Nitrate (NO <sub>3</sub> )	71850	ND	2
2	mg/L	Fluoride (F)	00951	ND	0.1
	meq/L	Total Anions		0.5	
	Std Units	pH	00403	7.6	
** 2		Specific Conductance (E.C.)	00095	55	1
	umhos/cm2				
*** 2	mg/L	Total Filterable Residue	70300	50	40
15	Units	Apparent Color (Unfiltered)	00081	15	3
3	TON	Odor Threshold at 60 °C	00086	2	1

MCL - Maximum Contaminant Level, DLR -Detection Limit for Reporting Purpose, ND - Not Detected at or above DLR  
<sup>2</sup> Indicates Secondary Drinking Water Standards(Recommended-Upper-Short Term) \* 250-500-600 \*\* 900-1600-2200 \*\*\* 500-1000-1500

**GENERAL MINERAL & PHYSICAL**

MCL	UNITS	CHEMICALS	ENTRY	RESULT	DLR
5	NTU	Lab Turbidity	82079	2.8	0.1
0.5 <sup>2</sup>	mg/L	MBAS	38260	ND	0.05

**REGULATED INORGANIC**

MCL	UNITS	CHEMICALS	ENTRY	RESULT	DLR
1000	ug/L	Aluminum	01105	ND	50
6	ug/L	Antimony	01097	ND	6
10	ug/L	Arsenic	01002	ND	2
1000	ug/L	Barium	01007	ND	100
4	ug/L	Beryllium	01012	ND	1
5	ug/L	Cadmium	01027	ND	1
50	ug/L	Chromium (Total Cr)	01034	ND	10
1000 <sup>2</sup>	ug/L	Copper	01042	ND	50
300 <sup>2</sup>	ug/L	Iron	01045	110	100
15	ug/L	Lead	01051	ND	5
50 <sup>2</sup>	ug/L	Manganese	01055	20	20
2	ug/L	Mercury	71900	ND	1
100	ug/L	Nickel	01067	ND	10
50	ug/L	Selenium	01147	ND	5
100 <sup>2</sup>	ug/L	Silver	01077	ND	10
2	ug/L	Thallium	01059	ND	1
	ug/L	Zinc	01092	ND	50

**ADDITIONAL INORGANIC**

MCL	UNITS	CHEMICALS	ENTRY	RESULT	DLR
---	ug/L	Boron	01020	ND	100
		Langelier Index at 20 °C	71814	-1.6	
10	mg/L	Nitrate as N (Nitrogen)	00618	ND	0.4
10	mg/L	Nitrate + Nitrite as N	A-029	ND	0.2
1	mg/L	Nitrite as N (Nitrogen)	00620	ND	0.4
---	ug/L	Vanadium	01087	ND	3
		Aggressiveness Index	82383	10.2	

MCL - Maximum Contaminant Level, DLR -Detection Limit for Reporting Purpose,

ND - Not Detected at or above DLR

<sup>2</sup> Indicates Secondary Drinking Water Standards(Recommended-Upper-Short Term)