



Santa Clara Valley Water District System # 4310027

Report for: Penitencia, Rinconada, Santa Teresa Water Treatment Plants

Start: 06/01/2017 End: 06/30/2017

Primary Standards - Mandatory Health-Related Standards

	Units	MCL	DLR	PWTP Influent	PWTP Treated	RWTP Influent	RWTP Treated	STWTP Influent	STWTP Treated
Chlorine (Total) by DPD	mg/L	NS	NS	NT	NT	NT	2.5	NT	3.4
Aluminum (Al)	mg/L	1	0.05	NT	NT	0.06	ND	0.06	0.07
Antimony (Sb)	mg/L	0.006	0.006	NT	NT	ND	ND	ND	ND
Arsenic (As)	mg/L	0.01	NS	NT	NT	ND	ND	ND	ND
Barium (Ba)	mg/L	1	0.1	NT	NT	ND	ND	ND	ND
Beryllium (Be)	mg/L	0.004	0.001	NT	NT	ND	ND	ND	ND
Bromate (BrO3)	mg/L	0.01	0.001	NT	NT	NT	NT	NT	0.001
Cadmium (Cd)	mg/L	0.005	0.001	NT	NT	ND	ND	ND	ND
Chromium, Hexavalent (Cr+6)	mg/L	.01	0.001	NT	NT	ND	ND	ND	ND
Chromium, Total (Cr)	mg/L	0.05	0.01	NT	NT	ND	ND	ND	ND
Fluoride (F)	mg/L	2	0.1	NT	NT	ND	ND	ND	0.7
Mercury (Hg)	mg/L	0.002	0.001	NT	NT	ND	ND	ND	ND
Nickel (Ni)	mg/L	0.1	0.01	NT	NT	ND	ND	ND	ND
Nitrate (as N)	mg/L	10	0.4	NT	NT	0.6	0.6	0.6	0.7
Nitrite (as N)	mg/L	1	0.4	NT	NT	ND	ND	ND	ND
Selenium (Se)	mg/L	0.05	0.005	NT	NT	ND	ND	ND	ND
Thallium (Tl)	mg/L	0.002	0.001	NT	NT	ND	ND	ND	ND
Dibromoacetic Acid (HAA-DBAA)	ug/L	NS	1.0	NT	NT	NT	6.1	NT	3.5
Dichloroacetic Acid (HAA-DCAA)	ug/L	NS	1.0	NT	NT	NT	3.2	NT	1.2
Monobromoacetic Acid (HAA-MBAA)	ug/L	NS	1.0	NT	NT	NT	ND	NT	ND
Monochloroacetic Acid (HAA-MCAA)	ug/L	NS	2.0	NT	NT	NT	ND	NT	ND
Trichloroacetic Acid (HAA-TCAA)	ug/L	NS	1.0	NT	NT	NT	2.0	NT	ND
Total Haloacetic Acids (HAA5)	ug/L	60	NS	NT	NT	NT	11	NT	5
Bromodichloromethane (THM)	ug/L	NS	1.0	NT	NT	NT	12.3	NT	7.6
Bromoform (THM)	ug/L	NS	1.0	NT	NT	NT	7.2	NT	5.6
Chloroform (THM)	ug/L	NS	1.0	NT	NT	NT	4.7	NT	3.7
Dibromochloromethane (THM)	ug/L	NS	1.0	NT	NT	NT	18.0	NT	10.2
Total Trihalomethanes (THM)	ug/L	80	NS	NT	NT	NT	42	NT	27
Heterotrophic Plate Count	CFU/ml	NS	NS	NT	NT	3462	21	4259	2

Secondary Standards - Aesthetic Standards

	Units	MCL	DLR	PWTP Influent	PWTP Treated	RWTP Influent	RWTP Treated	STWTP Influent	STWTP Treated
Apparent Color	Color Units	15	NS	NT	NT	23	<2.5	23	<2.5
Chloride (Cl)	mg/L	500	NS	NT	NT	74	76	74	77
Copper (Cu)	mg/L	1	0.05	NT	NT	ND	ND	ND	ND
Iron (Fe)	mg/L	0.3	0.1	NT	NT	ND	ND	ND	ND
Manganese (Mn)	mg/L	0.05	0.02	NT	NT	ND	ND	ND	ND
pH	pH units	NS	NS	NT	NT	7.6	7.7	7.5	7.7
Silver (Ag)	mg/L	0.1	0.01	NT	NT	ND	ND	ND	ND
Specific Conductance (E.C.)	umhos/cm	2200	NS	NT	NT	447	514	443	491
Sulfate (as SO4)	mg/L	600	0.5	NT	NT	29.0	58.9	28.9	44.1
Total Dissolved Solids	mg/L	1500	NS	NT	NT	252	292	253	278



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Turbidity	NTU	5	0.10	NT	NT	1.19	ND	1.20	ND
Zinc (Zn)	mg/L	5	0.05	NT	NT	ND	ND	ND	ND

Additional Constituents Analyzed

	Units	MCL	DLR	PWTP Influent	PWTP Treated	RWTP Influent	RWTP Treated	STWTP Influent	STWTP Treated
Ammonia, Free (NH3-N)	mg/L	NS	NS	NT	NT	<0.05	0.15	<0.05	0.20
Ammonia, Total (as NH3-N)	mg/L	NS	NS	NT	NT	NT	0.53	NT	0.56
Boron (B)	mg/L	NS	0.1	NT	NT	0.2	0.2	0.2	0.2
Bromide (Br)	mg/L	NS	NS	NT	NT	0.22	0.08	0.22	0.10
Calcium (Ca)	mg/L	NS	NS	NT	NT	22	23	21	22
Chlorate (ClO3)	mg/L	NS	0.02	NT	NT	NT	0.08	NT	0.10
Hardness (as CaCO3)	mg/L	NS	NS	NT	NT	89	90	90	91
Lead (Pb)	mg/L	0.015	0.005	NT	NT	ND	ND	ND	ND
Magnesium (Mg)	mg/L	NS	NS	NT	NT	15	14	14	14
Phosphate (PO4)	mg/L	NS	NS	NT	NT	0.35	1.16	0.40	1.14
Potassium (K)	mg/L	NS	NS	NT	NT	4.3	4.6	4.1	4.4
Sodium (Na)	mg/L	NS	NS	NT	NT	71	86	68	77
Temperature	Deg. C	NS	NS	NT	NT	16	17	17	20
Total Alkalinity (as CaCO3)	mg/L	NS	NS	NT	NT	56	59	59	59
Total Organic Carbon	mg/L	NS	0.30	NT	NT	3.87	1.70	3.87	2.07
Vanadium (V)	mg/L	NS	0.003	NT	NT	0.003	ND	ND	ND

MCL = Maximum Contaminant Level
 DLR = Detection Limit for Reporting
 PWTP = Penitencia Water Treatment Plant
 RWTP = Rinconada Water Treatment Plant
 STWTP = Santa Teresa Water Treatment Plant

mg/L = milligrams per liter
 ug/L = micrograms per liter
 Deg. C = Degree Celsius
 CFU/ml = colony forming units per milliliter
 umhos/cm = micromhos per centimeter
 NTU = nephelometric turbidity units

ND = Not Detected
 NT = Not Tested
 NS = No Standard
 NR = Not Reported

For questions about this report, or for additional water quality information, call (408) 630-3228.

Jim Scott
 Laboratory Manager
 Laboratory Services Unit

MONTHLY SUMMARY OF DISTRIBUTION SYSTEM COLIFORM MONITORING

System Name: Santa Clara Valley Water District	System Number: 4310027
Sampling Period: June	Year: 2017

	Minimum Number Required	Number Collected	Number Total Coliform Positives	Number Total Fecal/E.Coli Positives
1. ROUTINE SAMPLES (see note 1) :	340	406	0	0
2. REPEAT SAMPLES FOLLOWING ROUTINE SAMPLES THAT ARE TOTAL COLIFORM POSITIVE AND FECAL/E. COLI NEGATIVE (see notes 5 and 6)		0	0	
3. REPEAT SAMPLES FOLLOWING ROUTINE SAMPLES THAT ARE TOTAL COLIFORM POSITIVE AND FECAL/E. COLI POSITIVE (see notes 5 and 6) :		0	0	0
4. MCL COMPUTATION FOR TOTAL COLIFORM POSITIVE SAMPLES :				
a. Totals (sum of columns) :		406	0	
b. If 40 or more samples are collected in the month, determine percent of samples that are T. Coli positive ([total number positive/total number collected] X 100) :			0.00 %	
c. Is system in compliance... ..with Fecal/E. Coli MCL (see notes 2 and 3)?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
...with monthly MCL (see note 4)?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5. INVALIDATED SAMPLES (note what samples, if any, were invalidated; why they were invalidated; who authorized the invalidation; and when replacement samples were collected. Attach additional sheets, if necessary.				

6. SUMMARY COMPLETED BY:

Signature: 	Title: James N. Scott Laboratory Manager	Date: 7/5/2017
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NOTES AND INSTRUCTIONS:

- Routine samples include:
 - Samples required per 22 CCR, Section 64423;
 - Extra samples required for systems collecting less than 5 routine samples per month that had one or more Total Coliform positives in previous month;
 - Extra samples for systems with high source water turbidities that are using surface water or groundwater under the direct influence of surface water and do not practice filtration in compliance with the regulations.
- Note: For a repeat sample following a Total Coliform positive sample, any Fecal/E.Coli positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Department** (22 CCR, Section 64426.1).
- Note: For a repeat sample following a Fecal/E. Coli positive sample, any Total Coliform positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Department** (22 CCR, Section 64426.1).
- Total Coliform MCL (**Notify Department within 24 hours of MCL violation**).
- Positive results and their associated repeat samples must be tracked on the worksheet on the other side.
- For systems collecting more than one routine sample per month, three repeat samples must be collected for each Total Coliform positive sample. For systems collecting one or less routine samples per month, four repeat samples must be collected for each Total Coliform positive sample. Repeat samples must be collected within 24 hours of being notified of the positive result.