



## Valley Water System # 4310027

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

ValleyWater

Start: 04/01/2020 End: 04/30/2020

### 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	3.6	NT	2.5	NT	3.4
Aluminum (Al)	mg/L	1	0.05	0.09	0.06	0.05	ND	ND	ND
Antimony (Sb)	mg/L	0.006	0.006	ND	ND	ND	ND	ND	ND
Arsenic (As)	mg/L	0.01	0.002	ND	ND	0.002	ND	ND	ND
Barium (Ba)	mg/L	1	0.1	ND	ND	ND	ND	ND	ND
Beryllium (Be)	mg/L	0.004	0.001	ND	ND	ND	ND	ND	ND
Bromate (BrO3)	mg/L	0.01	0.001	NT	0.003	NT	NT	NT	ND
Cadmium (Cd)	mg/L	0.005	0.001	ND	ND	ND	ND	ND	ND
Chromium, Total (Cr)	mg/L	0.05	0.01	ND	ND	ND	ND	ND	ND
Fluoride (F)	mg/L	2	0.1	0.1	0.7	ND	ND	ND	0.6
Mercury (Hg)	mg/L	0.002	0.001	ND	ND	ND	ND	ND	ND
Nickel (Ni)	mg/L	0.1	0.01	ND	ND	ND	ND	ND	ND
Nitrate (as N)	mg/L	10	0.4	0.6	0.6	0.5	0.5	0.6	0.6
Nitrite (as N)	mg/L	1	0.4	ND	ND	ND	ND	ND	ND
Selenium (Se)	mg/L	0.05	0.005	ND	ND	ND	ND	ND	ND
Thallium (Tl)	mg/L	0.002	0.001	ND	ND	ND	ND	ND	ND
Dibromoacetic Acid (HAA-DBAA)	ug/L	NS	1.0	NT	3.2	NT	4.2	NT	2.4
Dichloroacetic Acid (HAA-DCAA)	ug/L	NS	1.0	NT	4.3	NT	6.2	NT	ND
Monobromoacetic Acid (HAA-MBAA)	ug/L	NS	1.0	NT	ND	NT	ND	NT	ND
Monochloroacetic Acid (HAA-MCAA)	ug/L	NS	2.0	NT	ND	NT	ND	NT	ND
Trichloroacetic Acid (HAA-TCAA)	ug/L	NS	1.0	NT	2.8	NT	5.8	NT	ND
Total Haloacetic Acids (HAA5)	ug/L	60	NS	NT	10	NT	16	NT	2
Bromodichloromethane (THM)	ug/L	NS	1.0	NT	9.9	NT	21.3	NT	7.3
Bromoform (THM)	ug/L	NS	1.0	NT	3.7	NT	4.7	NT	7.6
Chloroform (THM)	ug/L	NS	1.0	NT	9.8	NT	12.6	NT	2.9
Dibromochloromethane (THM)	ug/L	NS	1.0	NT	13.0	NT	21.1	NT	11.6
Total Trihalomethanes (THM)	ug/L	80	NS	NT	36	NT	60	NT	29
Heterotrophic Plate Count	CFU/ml	NS	NS	9455	2	3834	2	593	42

### 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	39	3	32	<2.5	15	<2.5
Chloride (Cl)	mg/L	500	NS	56	60	61	64	64	68
Copper (Cu)	mg/L	1	0.05	ND	ND	ND	ND	ND	ND
Iron (Fe)	mg/L	0.3	0.1	0.2	ND	ND	ND	ND	ND
Manganese (Mn)	mg/L	0.05	0.02	0.02	ND	ND	ND	ND	ND
pH	pH units	NS	NS	8.3	7.8	8.0	7.9	7.8	7.9
Silver (Ag)	mg/L	0.1	0.01	ND	ND	ND	ND	ND	ND
Specific Conductance (E.C.)	umhos/cm	2200	NS	475	523	451	504	450	494
Sulfate (as SO4)	mg/L	600	0.5	50.0	70.8	39.5	64.2	36.7	51.7
Total Dissolved Solids	mg/L	1500	NS	290	314	278	310	268	292
Zinc (Zn)	mg/L	5	0.05	ND	ND	ND	ND	ND	ND



Valley Water

## Valley Water System # 4310027

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Start: 04/01/2020 End: 04/30/2020

### Additional Constituents Analyzed

	Units	MCL	DLR	PWTP Influent	PWTP Treated	RWTP Influent	RWTP Treated	STWTP Influent	STWTP Treated
Ammonia, Total (as NH <sub>3</sub> -N)	mg/L	NS	NS	<0.05	0.59	<0.05	0.44	<0.05	0.59
Boron (B)	mg/L	NS	0.1	0.2	0.2	0.2	0.2	0.1	0.1
Bromide (Br)	mg/L	NS	NS	0.18	0.11	0.20	0.11	0.21	0.13
Calcium (Ca)	mg/L	NS	NS	21	22	18	20	19	18
Chlorate (ClO <sub>3</sub> )	mg/L	NS	0.02	NT	0.15	NT	0.09	NT	0.14
Chromium, Hexavalent (Cr+6)	mg/L	NS	0.001	ND	ND	ND	ND	ND	ND
Hardness (as CaCO <sub>3</sub> )	mg/L	NS	NS	114	113	99	102	96	96
Lead (Pb)	mg/L	0.015	0.005	ND	ND	ND	ND	ND	ND
Magnesium (Mg)	mg/L	NS	NS	12	12	10	12	11	11
Phosphate (PO <sub>4</sub> )	mg/L	NS	NS	0.21	1.12	0.23	1.13	0.25	1.09
Potassium (K)	mg/L	NS	NS	2.4	2.6	2.5	2.9	3.1	3.1
Sodium (Na)	mg/L	NS	NS	45	53	41	54	46	52
Temperature	Deg. C	NS	NS	17	17	15	16	16	17
Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	NS	NS	90	82	78	73	73	71
Total Organic Carbon	mg/L	NS	0.30	5.07	2.57	4.13	2.20	3.23	1.77
Vanadium (V)	mg/L	NS	0.003	ND	ND	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) 630-2268.

Surjit Saini  
 Laboratory Manager  
 Laboratory Services Unit

05/10/2020


**MONTHLY SUMMARY OF DISTRIBUTION SYSTEM  
DISINFECTION PROCESS DATA**

System Name: <b>Santa Clara Valley Water District</b>	System Number: <b>4310027</b>
Sampling Period: <b>April</b>	<b>2020</b>
Month:	Year:

	East Line	West Line	Snell Line	Total
Number of Distribution Samples Collected:	137	209	96	442
Number of Distribution Samples With HPC Only:	0	0	0	0
Total Number of Residual and/or HPC Samples Collected:	137	209	96	442
Number of Samples With No Detectable Residual and HPC is Not Measured:	0	0	0	0
Number of Samples With No Residual and HPC > 500 CFU/ml:	0	0	0	0
Number of Samples for HPC Only and HPC > 500 CFU/ml:	0	0	0	0
Total Number of Samples With No Residual and/or HPC > 500 CFU/ml:	0	0	0	0
<b>Compute V:</b>				
$V = \left[ 1 - \frac{\text{Total Number of Samples With No Residual and/or HPC > 500 CFU/ml}}{\text{Total Number of Residual and/or HPC Samples Collected}} \right] \times 100$	100	100	100	100

Meets Standard (V ≥ 95%) ?    Yes     No

**SUMMARY COMPLETED BY:**

Signature: 	Title: <b>Surjit Saini Laboratory Manager</b>	Date: <b>5/5/2020</b>
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