



Valley Water System # 4310027

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

Valley Water

Start: 12/1/2020 End: 12/31/2020

Primary Standards - Mandatory Health-Related Standards

	Units	MCL	DLR	PWTP Influent	PWTP Treated	RWTP Influent	RWTP Treated	STWTP Influent	STWTP Treated
Aluminum	ug/L	1000	50	82	ND	150	ND	191	ND
Antimony	ug/L	6	6	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	10	2	2	ND	3	ND	3	ND
Barium	ug/L	1000	100	ND	ND	ND	ND	ND	ND
Beryllium	ug/L	4	1	ND	ND	ND	ND	ND	ND
Bromate	ug/L	10	1	NT	3	NT	NT	NT	ND
Cadmium	ug/L	5	1	ND	ND	ND	ND	ND	ND
Chlorine Total by DPD	mg/L	NS	NS	NT	3.5	NT	2.5	NT	3.4
Chromium	ug/L	50	10	ND	ND	ND	ND	ND	ND
Fluoride	mg/L	2	0.1	ND	0.7	ND	ND	ND	0.6
Mercury	ug/L	2	1	ND	ND	ND	ND	ND	ND
Nickel	ug/L	100	10	ND	ND	ND	ND	ND	ND
Nitrate as Nitrogen	mg/L	10	0.4	0.45	0.47	ND	ND	ND	ND
Nitrite as Nitrogen	mg/L	1	0.4	ND	ND	ND	ND	ND	ND
Perchlorate	ug/L	6	4	ND	ND	ND	ND	ND	ND
Selenium	ug/L	50	5	ND	ND	ND	ND	ND	ND
Thallium	ug/L	2	1	ND	ND	ND	ND	ND	ND
Dibromoacetic Acid	ug/L	NS	1	NT	5.1	NT	3.3	NT	2.0
Dichloroacetic Acid	ug/L	NS	1	NT	1.7	NT	2.3	NT	1.2
Monobromoacetic Acid	ug/L	NS	1	NT	ND	NT	ND	NT	ND
Monochloroacetic Acid	ug/L	NS	2	NT	ND	NT	ND	NT	ND
Trichloroacetic Acid	ug/L	NS	1	NT	ND	NT	1.5	NT	ND
Total Haloacetic Acids (5)	ug/L	60	NS	NT	7	NT	7	NT	3
Bromodichloromethane	ug/L	NS	1	NT	6.0	NT	11.9	NT	11.2
Bromoform	ug/L	NS	1	NT	7.3	NT	4.5	NT	6.8
Chloroform	ug/L	NS	1	NT	3.9	NT	4.9	NT	4.9
Dibromochloromethane	ug/L	NS	1	NT	11.0	NT	15.3	NT	13.6
Total Trihalomethanes	ug/L	80	NS	NT	28	NT	37	NT	37
Heterotrophic Plate Count	CFU/mL	NS	NS	5594	<1	2654	1	3305	<1

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	34	<2.5	30	<2.5	23	<2.5
Chloride	mg/L	500	NS	97	100	71	72	65	67
Conductivity	umhos/cm	1600	NS	598	662	502	561	476	518
Copper	ug/L	1000	50	ND	ND	ND	ND	ND	ND
Iron	ug/L	300	100	117	ND	180	ND	225	ND
Manganese	ug/L	50	20	24	ND	85	ND	93	ND
pH	pH units	NS	NS	8.4	7.8	7.9	7.7	7.8	7.8
Silver	ug/L	100	10	ND	ND	ND	ND	ND	ND
Sulfate	mg/L	500	0.5	37.3	59.3	35.5	NT	36.7	52.8
Total Dissolved Solids at 180C	mg/L	1000	NS	300	322	264	308	268	282



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Turbidity	NTU	5	0.1	3.60	ND	2.78	ND	2.59	ND
Zinc	ug/L	5000	50	ND	ND	ND	ND	ND	ND

Additional Constituents Analyzed

	Units	MCL	DLR	PWTP Influent	PWTP Treated	RWTP Influent	RWTP Treated	STWTP Influent	STWTP Treated
Boron	ug/L	NS	100	127	130	127	132	138	130
Bromide	mg/L	NS	NS	0.35	0.21	0.23	<0.1	0.22	<0.1
Calcium	mg/L	NS	NS	19.7	20.0	26.3	27.6	28.3	26.3
Chlorate	ug/L	NS	20	NT	102	NT	51	NT	145
Hexavalent Chromium	ug/L	NS	1	ND	ND	ND	ND	ND	ND
Lead	ug/L	NS	5	ND	ND	ND	ND	ND	ND
Magnesium	mg/L	NS	NS	14.8	15.1	15.3	15.7	16.4	15.4
Phosphate, Ortho (as PO4)	mg/L	NS	NS	0.13	1.05	0.26	1.10	0.30	1.02
Potassium	mg/L	NS	NS	3.4	3.4	2.5	2.7	2.7	2.6
Sodium	mg/L	NS	NS	61	75	37	52	39	48
Temperature	Deg. C	NS	NS	13	14	16	16	17	16
Total Alkalinity (as CaCO3)	mg/L	NS	NS	84	78	87	75	85	79
Total Ammonia Nitrogen	mg/L	NS	NS	<0.1	0.83	<0.1	0.57	<0.1	0.82
Total Organic Carbon	mg/L	NS	0.3	3.50	2.00	3.70	1.93	3.60	2.17
Vanadium	ug/L	NS	3	ND	ND	ND	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

01/11/2021

MONTHLY SUMMARY OF REVISED TOTAL COLIFORM RULE DISTRIBUTION SYSTEM MONITORING
(Including triggered source monitoring for system subject to Groundwater Rule)

System Name: Santa Clara Valley Water District	System Number: 4310027
Sampling Period: Month: December	Year: 2020

	Number Required	Number Collected	Number Total Coliform Positives	Number E.Coli Positives
1. Routine Samples (see note 1) :	340	390	0	0
2. Repeat Samples following samples that are Total Coliform POSITIVE and E.coli NEGATIVE (see notes 10 and 11) :		0	0	0
3. Repeat Samples following routine samples that are Total Coliform POSITIVE and E. coli POSITIVE (see notes 10 and 11) :		0	0	0
4. Treatment Technique (TT)/MCL Violation Computation for Total Coliform/E.Coli Positive Samples				
a. Totals (sum of columns) :	340	390	0	
b. If 40 or more samples are collected in the month, determine percent of samples that are Total Coliform positive. ([total number positive / total number collected] x 100):		0.00	%	
c. Did the system trigger... a LEVEL 2 Assessment TT? (See notes 2, 3, 4, 5 and 6 for trigger info) <i>If a LEVEL 2 Assessment is triggered, see note 8 below.</i>			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
a LEVEL 1 Assessment TT? (See notes 7 for trigger info) <i>If a LEVEL 1 Assessment is triggered, see note 9 below.</i>			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
5. Triggered Source Samples per Groundwater Rule (see notes 12 and 13)		0	0	0
6. 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.)				

7. Summary Completed By:

Signature: 	Title: Surjit Saini Laboratory Manager	Date: 1/5/2021
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NOTES AND INSTRUCTIONS:

1. Routine samples include:
 - a) Samples required pursuant to 22 CCR Section 64423 and any additional samples required by an approved routine sample siting plan established pursuant to 22 CCR Section 64422
 - b) Extra samples are required for systems collecting less than five routine samples per month that had one or more total coliform positives in previous
 - c) Extra samples for systems with high source water turbidities that are using surface water or groundwater under direct influence of surface water and do not practice filtration in compliance with regulations;
2. Note: For a repeat sample following a Total Coliform positive sample, any E.Coli positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Department** (22 CCR, Section 64426.1).
3. Note: For a repeat sample following a 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).
4. Note: Failure to take all required repeat samples following an E. coli positive routine sample (22, CCR, Section 64426.1) **constitutes an MCL violation and requires immediate notification to the Department** (22 CCR, Section 64426.1).
5. Note: Failure to test for E. coli when any repeat sample tests positive for total coliform (22, CCR, Section 64426.1) **constitutes an MCL violation and requires immediate notification to the Department** (22 CCR, Section 64426.1).
6. Note: Second Level 1 treatment technique trigger in a rolling 12-month period.
7. Total coliform Treatment Technique (TT) Violation (**Notify Department within 24 hours of MCL violation**).
 - a. For systems collecting less than 40 samples, if two or more samples are total coliform positive, then the TT is violated and a Level 1 Assessment is required.
 - b. For systems collecting 40 or more samples, if more than 5.0 percent of samples collected are total coliform positive, then the TT is violated and a Level 1 Assessment is required.
8. Contact the Division as soon as practical to arrange for the division to conduct a Level 2 Assessment of the water system. The water system shall complete a Level 2 Assessment and submit it to the Division within 30 days of learning of the trigger exceedance.
9. Conduct a Level 1 Assessment in accordance with as soon as practical that covers the minimum elements (22, CCR, Section 64426.8 (a), (2)). Submit the report to the Division within 30 days of learning of the trigger exceedance.
10. Positive results and their associated repeat samples must be tracked on the Coliform Monitoring Worksheet
11. Repeat samples must be collected within 24 hours of being notified of the positive results. 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 fewer routine samples per month, four repeat samples must be collected for each total coliform positive sample. At least three samples shall be taken the month following a total coliform positive.
12. For systems subject to the Groundwater Rule: Positive results and the associated triggered source samples are to be tracked on the Coliform Monitoring Worksheet.
13. For triggered sample(s) required as a result of a total coliform routine positive sample, an E.coli positive triggered sample (boxed entry) requires immediate notification to the Division, Tier 1 public notification, and corrective action.