



Valley Water System # 4310027

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

Valley Water

Start: 12/1/2021 End: 12/31/2021

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	101	ND	92	ND	NT	NT
Antimony	ug/L	6	6	ND	ND	ND	ND	NT	NT
Arsenic	ug/L	10	2	2	ND	ND	ND	NT	NT
Barium	ug/L	1000	100	ND	ND	ND	ND	NT	NT
Beryllium	ug/L	4	1	ND	ND	ND	ND	NT	NT
Bromate	ug/L	10	1	NT	2	NT	NT	NT	2
Cadmium	ug/L	5	1	ND	ND	ND	ND	NT	NT
Chlorine Total by DPD	mg/L	NS	NS	NT	3.3	NT	2.2	NT	3.3
Chromium	ug/L	50	10	ND	ND	ND	ND	NT	NT
Fluoride	mg/L	2	0.1	0.1	0.7	0.1	ND	0.1	0.6
Mercury	ug/L	2	1	ND	ND	ND	ND	NT	NT
Nickel	ug/L	100	10	ND	ND	ND	ND	NT	NT
Nitrate as Nitrogen	mg/L	10	0.4	ND	ND	ND	ND	0.52	0.60
Nitrite as Nitrogen	mg/L	1	0.4	ND	ND	ND	ND	ND	ND
Perchlorate	ug/L	6	2	ND	ND	ND	ND	NT	NT
Selenium	ug/L	50	5	ND	ND	ND	ND	NT	NT
Thallium	ug/L	2	1	ND	ND	ND	ND	NT	NT
Dibromoacetic Acid	ug/L	NS	1	NT	4.8	NT	6.0	NT	3.9
Dichloroacetic Acid	ug/L	NS	1	NT	2.9	NT	3.7	NT	ND
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	5.0	NT	4.1	NT	ND
Total Haloacetic Acids (5)	ug/L	60	NS	NT	13	NT	14	NT	4
Bromodichloromethane	ug/L	NS	1	NT	7.5	NT	17.8	NT	7.1
Bromoform	ug/L	NS	1	NT	7.0	NT	10.1	NT	15.5
Chloroform	ug/L	NS	1	NT	6.4	NT	6.4	NT	1.9
Dibromochloromethane	ug/L	NS	1	NT	12.6	NT	26.9	NT	14.9
Total Trihalomethanes	ug/L	80	NS	NT	33	NT	61	NT	39
Heterotrophic Plate Count	CFU/mL	NS	NS	2925	<1	6630	2	2755	<1

Secondary Standards - Aesthetic Standards

	Units	MCL	DLR	PWTP Influent	PWTP Treated	RWTP Influent	RWTP Treated	STWTP Influent	STWTP Treated
Apparent Color	Color Unit	15	NS	30	<2.5	NT	NT	NT	NT
Chloride	mg/L	500	NS	77	81	81	84	99	103
Conductivity	umhos/cm @ 25C	1600	NS	512	605	522	578	576	621
Copper	ug/L	1000	50	ND	ND	ND	ND	NT	NT
Iron	ug/L	300	100	110	ND	120	ND	NT	NT
Manganese	ug/L	50	20	ND	ND	ND	ND	NT	NT
pH	pH units	NS	NS	8.1	7.8	8.1	7.9	8.0	8.0
Silver	ug/L	100	10	ND	ND	ND	ND	NT	NT
Sulfate	mg/L	500	0.5	35.4	76.2	35.7	66.0	38.9	56.2
Total Dissolved Solids at 180C	mg/L	1000	NS	322	370	312	352	NT	NT



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Turbidity	NTU	5	0.1	3.62	ND	3.00	ND	1.62	ND
Zinc	ug/L	5000	50	ND	ND	ND	ND	NT	NT

Additional Constituents Analyzed

	Units	MCL	DLR	PWTP Influent	PWTP Treated	RWTP Influent	RWTP Treated	STWTP Influent	STWTP Treated
Boron	ug/L	NS	100	168	159	166	161	NT	NT
Bromide	mg/L	NS	NS	0.26	<0.1	0.29	0.11	0.34	0.26
Calcium	mg/L	NS	NS	24.2	23.0	23.6	23.4	NT	NT
Chlorate	ug/L	NS	20	NT	66	NT	151	NT	259
Hexavalent Chromium	ug/L	NS	1	ND	ND	ND	ND	NT	NT
Lead	ug/L	NS	5	ND	ND	ND	ND	NT	NT
Magnesium	mg/L	NS	NS	15.7	14.6	15.2	15.3	NT	NT
Phosphate, Ortho (as PO4)	mg/L	NS	NS	0.22	1.07	0.24	1.05	0.32	0.97
Potassium	mg/L	NS	NS	4.4	4.1	4.2	4.3	NT	NT
Sodium	mg/L	NS	NS	60	77	54	71	NT	NT
Temperature	Deg C	NS	NS	12	13	14	14	16	14
Total Alkalinity (as CaCO3)	mg/L	NS	NS	98	87	96	82	85	81
Total Ammonia Nitrogen	mg/L	NS	NS	<0.1	0.72	<0.1	0.49	NT	NT
Total Organic Carbon	mg/L	NS	0.3	4.80	2.77	4.77	2.27	NT	NT
Vanadium	ug/L	NS	3	3	ND	3	ND	NT	NT

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

01/07/2022

COLIFORM MONITORING WORKSHEET

(COMPLETED FOR POSITIVE ROUTINE SAMPLES, ALL REPEAT SAMPLES, AND ALL TRIGGERED SOURCE SAMPLES)

Routine Samples ¹⁰			Repeat Samples ¹¹				Triggered Source Samples ¹²				
TC+ Sample Date	TC+ Sample Site ID	E. coli Results	Repeat Collection Date	Repeat Sample Site IDs	Coliform Results (Check one box)			Source Sample Date	Groundwater Source(s) Sampled	¹⁵ TC Results	^{15, 16} E. coli Results
					TC-	TC+ BUT E. coli-	TC+ AND E. coli+				
12/15/2021	Alum-Rock Turnout	(-)	12/16/2021	1 Ocala Turnout	x					(+ / -)	(+ / -)
			12/16/2021	2 Alum-Rock Turnout	x					(+ / -)	(+ / -)
			12/16/2021	3 Mabury Turnout	x						(+ / -)
		(+ / -)		1						(+ / -)	(+ / -)
				2						(+ / -)	(+ / -)
				3						(+ / -)	(+ / -)
		(+ / -)		1						(+ / -)	(+ / -)
				2						(+ / -)	(+ / -)
				3						(+ / -)	(+ / -)
		(+ / -)		1						(+ / -)	(+ / -)
				2						(+ / -)	(+ / -)
				3						(+ / -)	(+ / -)
		(+ / -)		1						(+ / -)	(+ / -)
				2						(+ / -)	(+ / -)
				3						(+ / -)	(+ / -)
		(+ / -)		1						(+ / -)	(+ / -)
				2						(+ / -)	(+ / -)
				3						(+ / -)	(+ / -)
		(+ / -)		1						(+ / -)	(+ / -)
				2						(+ / -)	(+ / -)
				3						(+ / -)	(+ / -)
		(+ / -)		1						(+ / -)	(+ / -)
				2						(+ / -)	(+ / -)
				3						(+ / -)	(+ / -)
		(+ / -)		1						(+ / -)	(+ / -)
				2						(+ / -)	(+ / -)
				3						(+ / -)	(+ / -)
		(+ / -)		1						(+ / -)	(+ / -)
				2						(+ / -)	(+ / -)
				3						(+ / -)	(+ / -)

Comments:

NOTES AND INSTRUCTIONS:

14. Repeat samples must be collected within 24 hours of being notified of the positive results. Three repeat samples must be collected for each total coliform positive sample.

15. 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 Department, Tier 1 public notification, and corrective action.**

16. Circle the appropriate result.

Abbreviations: TC = Total Coliform, EC = *E. coli*