



ANALYTICAL CHEMISTS

April 29, 1997

LAB No: SP 702629-1 Page 1

Norm Paulson
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Buellton, CA 93427

Date Sampled : April 7, 1997
Date Received : April 8, 1997

Sample Site: Well #1
Description: Well #1

Title 22 Drinking Water Interpretations

Constituent	BAT	Result	Units	MCL	Graphical Results	
					Below MCL	Above MCL
Inorganic						
Aluminum	10	20	ug/L	1000	█	
Antimony	2,7	ND	ug/L	6	█	
Arsenic	1,2,5,6,7	2	ug/L	50	█	
Barium	2,5,6,7	37	ug/L	1000	█	
Beryllium	1,2,5,6,7	ND	ug/L	4	█	
Cadmium	2,5,6,7	ND	ug/L	5	█	
Chloride		58	mg/L	500 ⁺	█	
Chromium	2,5,6a,7	ND	ug/L	50	█	
Color (Unfiltered)		4	Units	15	█	
Copper		ND	ug/L	1000	█	
Fluoride		ND	mg/L	1.4-2.4	█	
Iron		70	ug/L	300	█	
Lead		ND	ug/L	50	█	
MBAS		0.05	mg/L	0.5	█	
Manganese		ND	ug/L	50	█	
Mercury	2b,4,6b,7b	ND	ug/L	2	█	
Nickel	5,6,7	5	ug/L	100	█	
Nitrate	5,7,9	ND	mg/L	45	█	
Nitrite as N	5,7	ND	ug/L	1000	█	
Odor Threshold at 60 °		ND	TON	3	█	
Selenium	1,2c,6,7,9	4	ug/L	50	█	
Silver		ND	ug/L	50	█	
Specific Conductance		1300	umhos/cm2	1600 ⁺	█	
Sulfate		220	mg/L	500 ⁺	█	
TDS		930	mg/L	1000 ⁺	█	
Thallium	1,5	ND	ug/L	2	█	
Turbidity		0.9	NTU	5	█	
Zinc		180	ug/L	5000	█	

BAT = Best Available Technologies for Cleanup MCL = Maximum Contaminant Level Potable: █ █ █ :Non Potable
 mg/L = Milligrams Per Liter (ppm) ug/L = Micrograms Per Liter (ppb) MFL = Million Fibers Per Liter (>10 µm in length)

Footnotes and Comments Cont'd next page...

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Footnotes and Comments

BAT = Best Available Technologies for Cleanup (Reference Title 22, Article 12, Table 84447.2-A)	
a = BAT for Chromium III only	6 = Lime Softening **
b = BAT only if influence mercury conc. < 10ug/L	7 = Reverse Osmosis
c = BAT for Selenium IV only.	8 = Corrosion Control
1 = Activated Alumina	9 = Electrodialysis
2 = Coagulation/Filtration **	10 = Optimizing treatment and reducing aluminum added
3 = Direct and Diatomite Filtration	11 = Chlorine oxidation
4 = Granular Activated Carbon	
5 = Ion Exchange	** = BAT for systems with >= 500 connections

^ For the constituent(s) marked, the value shown is the Upper Maximum Contaminant Level.

If you have any questions, please call.

FGL ENVIRONMENTAL