

**ZALCO LABORATORIES, INC.**  
Analytical & Consulting Services

4309 Armour Avenue  
Bakersfield, California 93308

(805) 395-0539  
FAX (805) 395-3069

Valley Waste Disposal  
1400 Easton Drive, Suite 139B  
Bakersfield, CA 93389

Laboratory No: 60008-3  
Date Received: 10-2-95  
Date Reported: 10-10-95

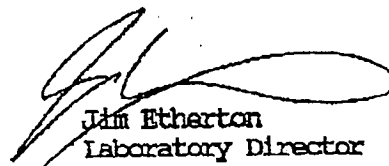
Attention: Larry Bright

Sample Identification: Racetrack A Section  
Sampled by Larry Bright on 10-2-95

IRRIGATION WATER ANALYSIS

pH 8.2  
Electrical Conductivity, EC  
(millimhos/cm @ 25 C) 6.87

Constituents	mg/l	meq/l
Calcium, Ca	170	8.48
Magnesium, Mg	13	1.07
Sodium, Na (calculated)	1300	55.77
Potassium, K	16	0.41
Alkalinity as:		
Hydroxide, OH	0	0
Carbonate, CO <sub>3</sub>	0	0
Bicarbonate, HCO <sub>3</sub>	480	7.94
Chloride, Cl	2000	57.79
Sulfate, SO <sub>4</sub>	< 5.0	0
Nitrate, NO <sub>3</sub>	< 1.0	0
Totals (Sum)	3800	131.46
Boron, B	13	
Total Dissolved Solids, (Grav)	3900	
Calculated Hardness, CaCO <sub>3</sub>	480	
Sodium Adsorption Ratio, SAR	25.5	
Exchangeable Sodium Percentage, ESP	26.7	
Cation/Anion Balance, %	0.29	
Sodium, Na (determined), mg/l	1300	
Langelier Scale Index	1.70	
Gypsum Requirement, lbs/ac-ft	0	

  
Jim Etherton  
Laboratory Director