



Ford Chemical

LABORATORY, INC.

Bacteriological and Chemical Analysis

40 WEST LOUISE AVENUE
SALT LAKE CITY, UTAH 84115

PHONE 466-8761

DATE: 07/03/84

CERTIFICATE OF ANALYSIS

BOYER COMPANY
675 E. 500 SO.
SUITE #600
SLC, UT 84102

84-002143

SAMPLE: EMIGRATION CANYON WATER SAMPLE #2 COLLECTED 6-12-84 RECEIVED
6-13-84 FOR COMPLETE ANALYSIS.

Alkalinity, CaCO ₃ mg/l SM403	378	Ammonia, NH ₃ -N mg/l SM417C	.08
Arsenic, As mg/l SM304	<.001	Barium, Ba mg/l SM303C	.20
Bicarbonate, HCO ₃ mg/l SM403	461.16	Boron as B mg/l	.05
Cadmium, Cd mg/l SM304	<.001	Calcium, Ca mg/l SM303A	148.40
Carbonate as CO ₃ mg/l SM403	<.10	Chloride, Cl mg/l SM407A	33.6
Chromium as Cr Hex. mg/l SM3	<.001	Chromium, Cr (Tot) mg/l SM30	<.001
Conductivity umhos/cm SM205	1,230	Copper, Cu mg/l SM303A	.042
Fluoride, F mg/l SM413B	.31	Hardness, CaCO ₃ mg/l SM309R	458
Hydroxide as OH mg/l	<.10	Iron, Fe (Dis) mg/l SM303A	.30
Iron, Fe (Tot) mg/l SM303A	.44	Lead, Pb mg/l SM303A	<.001
Magnesium, Mg mg/l SM303A	20.88	Manganese, Mn mg/l SM303A	.02
Mercury, Hg mg/l SM320A	<.0002	Nickel, Ni mg/l SM303A	<.01
Nitrate, NO ₃ -N mg/l SM418C	.35	Nitrite as NO ₂ -N mg/l	<.01
Phosphate PO ₄ -P Ortho mg/l	.02	Potassium, K mg/l SM303A	1.5
Selenium, Se mg/l SM304	<.001	Silica, SiO ₂ (Dis) mg/l SM426	21.50



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Silver, Ag mg/l SM303A	<.0010	Sodium, Na mg/l SM303A	98.00
Sulfate, SO4 mg/l SM426D	230	Total Dis. Solids mg/l SM20	798
Turbidity NTU	18.00	Zinc, Zn mg/l SM303A	.107
pH Units SM423	7.30		


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83-002143-01

FORD CHEMICAL LABORATORIES

BALANCE SHEET FOR SAMPLE: (1) RESULTS

CATIONS	mg/l	meq/l
Calcium, Ca mg/l SM303A	148.400	7.405
Magnesium, Mg mg/l SM303A	20.880	1.717
Iron, Fe (Dis) mg/l SM303A	.300	.011
Sodium, Na mg/l SM303A	98.000	4.263
Potassium, K mg/l SM303A	1.500	.038
ANIONS		
	mg/l	meq/l
Carbonate as CO ₃ mg/l SM403	.000	.000
Bicarbonate, HCO ₃ mg/l SM403	461.160	7.563
Sulfate, SO ₄ mg/l SM426D	230.000	4.789
Chloride, Cl mg/l SM407A	33.600	.948
Nitrate, NO ₃ -N mg/l SM418C	.350	.006
Hydroxide as OH mg/l	.000	.000

BALANCE INFORMATION

CATIONS:	13.434
ANIONS:	13.306
TOTAL:	26.740
DIFFERENCE:	.128
SIGMA:	.004