

CHEMICAL AND BACTERIOLOGICAL ANALYSIS

FORD ANALYTICAL LABORATORIES

CERTIFICATE OF ANALYSIS

DATE: 08/08/94

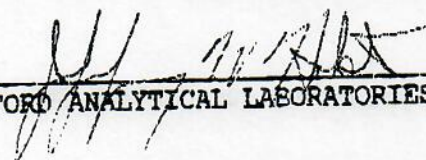
*FREEZE CREEK WATER
% THE BOYER CO.
127 SO. 500 E. #127
SLC, UT 84102

94-076760

SAMPLE: WELL WATER SAMPLE COLLECTED 8-2-94, 11:50 A.M. BY D.MOFFAT
RECEIVED 8-2-94 FOR ANALYSIS.
WELL #1

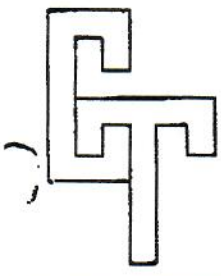
	Results	Method Detection Limit
Fluoride mg/l EPA 340.2	.25	.10
Sulfate SO4 mg/l SM4500	90	20
Tot.Dis.Solids mg/l EPA 160.1	528	1.0
Turbidity NTU EPA 180.1	.7	.50

Analyzed by Chemtech/Ford



FORD ANALYTICAL LABORATORIES

* ND - None Detected Above Specified Detection Limit *



CHEMTECH

ANALYTICAL LABORATORY

6100 S. STRATLER
MURRAY, UTAH 84107
PHONE: (801) 262-7299
FAX: (801) 262-7378

FAX COVER PAGE

TO: Dick Muffat

ATTN . 521-4781

FAX #:

()

Total number of pages including cover page: |

If you did not receive all pages, please call (801) 262-7299.

CERTIFICATE OF ANALYSIS

DATE: 07/25/94

*FREEZE CREEK WATER
 % THE BOYER CO.
 127 SO. 500 E. #127
 SLC, UT 84102

94-057020

SAMPLE: DRINKING WATER SAMPLE COLLECTED 6-10-94, 11:30 A.M.
 RECEIVED 6-10-94 FOR ANALYSIS; SYSTEM #18143.
 WELL #1

	Results	Method Detection Limit
Antimony Sb mg/l EPA 200.9	ND	.0030
Arsenic As mg/l EPA 200.7	ND	.0100
Barium Ba mg/l EPA 200.7	.026	.010
Beryllium Be mg/l EPA 200.9	ND	.0003
Cadmium Cd mg/l EPA 200.9	ND	.001
Chromium Cr mg/l EPA 200.7	ND	.005
Copper Cu mg/l EPA 200.7	ND	.050
Cyanide CN mg/l D2036-89	ND	.003
Fluoride mg/l EPA 340.2	5.48	.10
Lead Pb mg/l EPA 200.9	ND	.005
Mercury Hg mg/l EPA 245.1	ND	.0002
NO3-N + NO2-N mg/l EPA 353.1	.77	.02
Nickel Ni mg/l EPA 200.7	ND	.005
Nitrite NO2-N mg/l EPA 354	ND	.02
Selenium Se mg/l EPA 200.7	.0092	.0020
Sodium Na mg/l EPA 200.7	813	.500

All reports are submitted as the confidential property of clients. Authorization for publication of our reports, conclusions, or, extracts from or regarding them, is reserved pending our written approval as a mutual protection to clients, the public and ourselves.

94-057020

	Results	Method Detection Limit
Sulfate SO4 mg/l SM4500	1340	20
Thallium Tl mg/l EPA 200.9	ND	.0010
Tot.Dis.Solids mg/l EPA 160.1	2550	1.0
Turbidity NTU EPA 180.1	11.9	.50
- REGULATED VOC'S		
- EPA METHOD 524.2		
1,1,1 Trichloroethane mg/l	ND	.0001
1,1,2 Trichloroethane mg/l	ND	.0001
1,1-Dichloroethylene mg/l	ND	.0002
1,2,4 Trichlorobenzene mg/l	ND	.0002
1,2-Dichloroethane mg/l	ND	.0001
1,2-Dichloropropane mg/l	ND	.0001
Benzene mg/l	ND	.0005
Carbon Tetrachloride mg/l	ND	.0001
Dichloromethane mg/l	ND	.0005
Ethylbenzene mg/l	ND	.0001
Monochlorobenzene mg/l	ND	.0002
Styrene mg/l	ND	.0002
Tetrachloroethene mg/l	ND	.0002
Toluene mg/l	ND	.0005

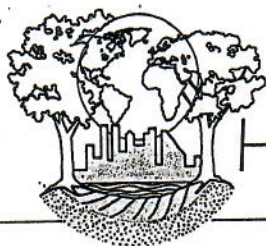
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94-057020

	Results	Method Detection Limit
Trichloroethylene mg/l	ND	.0001
Vinyl Chloride mg/l	ND	.0002
Xylenes mg/l	ND	.0002
cis-1,2Dichloroethylene mg/l	ND	.0001
o-Dichlorobenzene mg/l	ND	.0001
p-Dichlorobenzene mg/l	ND	.0001
trans-1,2Dichloroethylene mg/l	ND	.0001
Gross Alpha pCi/l	ND	2
Gross Beta pCi/l	ND	3


FORD ANALYTICAL LABORATORIES

* ND - None Detected Above Specified Detection Limit *
INORGANICS AND METALS ANALYSIS PERFORMED BY CHEMTECH/FORD.
524 ANALYSIS PERFORMED BY EHL.
RADIOLOGICAL ANALYSIS PERFORMED BY CEP.



Environmental Health Laboratories

110 S. Hill Street
South Bend, IN 46617
(219) 233-4777
(219) 233-3272
FAX (219) 233-8207

LABORATORY REPORT

Client: Ford Analytical Laboratories
Attn: Linda Daniels
50 West Louise Avenue
Salt Lake City, UT 84115

Report: 117135-41(35)
Priority: Standard Written
Status: Final

Project / Site: Ford Lab # 57020

Samples Submitted: One drinking water sample

Copies to: None

Collected: 06-10-94

By: Client

Received: 06-14-94

REPORT SUMMARY

None of the VOCs included in the detailed parameter list were detected in the sample submitted for analysis.

Note: Sample containers and preservative were provided by the client.

Detailed quantitative results are presented on the following page.

Results of all associated quality control samples were within acceptance limits. No project specific quality control was requested.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call us at (219) 233-4777.

Reviewed By: _____

Paul J. Carnie

Date: _____

7-22-94

Finalized By: _____

Jeff Brown

Date: _____

7-22-94



Order # 94-06-309
 06/29/94 11:28

Free Creek

Sample: 01A 57020

Collected: 06/10/94 11:30

Controls for Environmental
 TEST RESULTS BY SAMPLE

Test Description
 Gross Alpha
 Gross Beta

<u>Result</u>	<u>D.L.</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
<2	2	pCi/liter	06/24/94	LR
<3	3	pCi/liter	06/24/94	LR

Sample	Test Description	Result	D.L.	Units	Analyzed	By
01A	Gross Alpha	<2	2	pCi/liter	06/24/94	LR
01A	Gross Beta	<3	3	pCi/liter	06/24/94	LR

PARAMETER	Report Limit ** (ug/L)	Result (ug/l)	MCL (ug/L)	PARAMETER	Report Limit ** (ug/L)	Result (ug/l)
Regulated Parameters				Unregulated Parameters		
Benzene	0.5	< 0.5	5	Bromobenzene	0.2	< 0.2
Bromodichloromethane	0.1	< 0.1	100 *	Bromochloromethane	0.2	< 0.2
Bromoform	0.1	< 0.1	100 *	Bromomethane	0.5	< 0.5
Carbon tetrachloride	0.1	< 0.1	5	n-Butylbenzene	0.2	< 0.2
Chlorobenzene	0.2	< 0.2	100	sec-Butylbenzene	0.2	< 0.2
Chloroform	0.1	< 0.1	100 *	tert-Butylbenzene	0.2	< 0.2
Dibromochloromethane	0.1	< 0.1	100 *	Chloroethane	0.5	< 0.5
1,2-Dibromo-3-Chloropropane	0.2	< 0.2	0.2	Chloromethane	0.5	< 0.5
1,2-Dibromoethane(EDB)	0.1	< 0.1	0.05	2-Chlorotoluene (o-)	0.2	< 0.2
1,2-Dichlorobenzene	0.1	< 0.1	600	4-Chlorotoluene (p-)	0.2	< 0.2
1,4-Dichlorobenzene	0.1	< 0.1	75	Dibromomethane	0.1	< 0.1
1,2-Dichloroethane	0.1	< 0.1	5	1,3-Dichlorobenzene	0.1	< 0.1
1,1-Dichloroethylene	0.2	< 0.2	7	Dichlorodifluoromethane	0.5	< 0.5
1,2-Dichloroethylene, cis	0.1	< 0.1	70	1,1-Dichloroethane	0.1	< 0.1
1,2-Dichloroethylene, trans	0.1	< 0.1	100	1,3-Dichloropropane	0.1	< 0.1
Dichloromethane	0.5	< 0.5	5	2,2-Dichloropropane	0.2	< 0.2
1,2-Dichloropropane	0.1	< 0.1	5	1,1-Dichloropropylene	0.1	< 0.1
Ethylbenzene	0.1	< 0.1	700	1,3-Dichloropropylene, total	0.1	< 0.1
Styrene	0.2	< 0.2	100	Hexachlorobutadiene	0.2	< 0.2
Tetrachloroethylene	0.2	< 0.2	5	Isopropylbenzene	0.1	< 0.1
Toluene	0.5	< 0.5	1000	4-Isopropyltoluene (p-)	0.1	< 0.1
1,2,4-Trichlorobenzene	0.2	< 0.2	70	Naphthalene	0.2	< 0.2
1,1,1-Trichloroethane	0.1	< 0.1	200	n-Propylbenzene	0.1	< 0.1
1,1,2-Trichloroethane	0.1	< 0.1	5	1,1,1,2-Tetrachloroethane	0.1	< 0.1
Trichloroethylene	0.1	< 0.1	5	1,1,2,2-Tetrachloroethane	0.1	< 0.1
Vinyl chloride	0.2	< 0.2	2	1,2,3-Trichlorobenzene	0.2	< 0.2
Total Xylenes	0.2	< 0.2	10000	Trichlorofluoromethane	0.5	< 0.5
				1,2,3-Trichloropropane	0.2	< 0.2
				1,2,4-Trimethylbenzene	0.1	< 0.1
				1,3,5-Trimethylbenzene	0.1	< 0.1

Method: 524.2

Analysis Date: 06-15-94

Analyst: DC

* The MCL of 100 ug/L is for total trihalomethanes.

** EHL has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

FORD ANALYTICAL LABORATORIES

CHEMICAL AND BACTERIOLOGICAL ANALYSIS

PHONE: (801) 466-8761 FAX (801) 466-8763

FAX

FAX Number: 521-4783

Date: 7/25/94

Firm name: _____

Deliver to: Dick Moffat

From: Lisa

We are sending 3 pages plus this cover sheet.

Message

[Faint, illegible text, likely bleed-through from the reverse side of the page]

FORD ANALYTICAL LABORATORIES

CHEMICAL AND BACTERIOLOGICAL ANALYSIS

CERTIFICATE OF ANALYSIS

DATE: 07/25/94

*FREEZE CREEK WATER
 % THE BOYER CO.
 127 SO. 500 E. #127
 SLC, UT 84102

94-057020

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Cyanide CN mg/l D2036-89	ND	.003
Fluoride mg/l EPA 340.2	5.48	.10 .25
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Mercury Hg mg/l EPA 245.1	ND	.0002
NO3-N + NO2-N mg/l EPA 353.1	.77	.02
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FORD ANALYTICAL LABORATORIES

CHEMICAL AND BACTERIOLOGICAL ANALYSIS

PAGE: 2

CERTIFICATE OF ANALYSIS

94-057020

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Tot.Dis.Solids mg/l EPA 160.1	2550		1.0	528
Turbidity NTU EPA 180.1	11.9		.50	7
- REGULATED VOC'S				
- EPA METHOD 524.2				
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1,1-Dichloroethylene mg/l	ND		.0002	
1,2,4 Trichlorobenzene mg/l	ND		.0002	
1,2-Dichloroethane mg/l	ND		.0001	
1,2-Dichloropropane mg/l	ND		.0001	
Benzene mg/l	ND		.0005	
Carbon Tetrachloride mg/l	ND		.0001	
Dichloromethane mg/l	ND		.0005	
Ethylbenzene mg/l	ND		.0001	
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Styrene mg/l	ND		.0002	
Tetrachloroethene mg/l	ND		.0002	
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FORD ANALYTICAL LABORATORIES

CHEMICAL AND BACTERIOLOGICAL ANALYSIS

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o-Dichlorobenzene mg/l	ND	.0001
p-Dichlorobenzene mg/l	ND	.0001
trans-1,2Dichloroethylene mg/l	ND	.0001
Gross Alpha pCi/l	ND	2
Gross Beta pCi/l	ND	3

Joe Workman
 FORD ANALYTICAL LABORATORIES

* ND - None Detected Above Specified Detection Limit *
 INORGANICS AND METALS ANALYSIS PERFORMED BY CHEMTECH/FORD.
 524 ANALYSIS PERFORMED BY EHL.
 RADIOLOGICAL ANALYSIS PERFORMED BY CEP.

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ANALYSIS REQUEST

FORD ANALYTICAL LABORATORY

(801) 466-8761

Report Results to:

Company: Iveeze Creek Water Co
ANNIE DIKE MOFFAT c/o Boyer Co.
 Address: 127 SOUTH 500 EAST # 312
 City/State/Zip: SALT LAKE UT 84102
 Phone: 521-4761 Fax:

Project Information:

Company Contact: DIKE MOFFAT
 Project ID: System # 18143
 P.O. Number:

Sample Information:

Utah Compliance? yes / no
 (If yes, circle one: SDWA / CWA / RCRA / Other)
 Date Needed*:
 *NOTE: expedited turnaround subject to additional charge

SAMPLE ID or LOCATION	collection date	collection time	ANALYSES REQUESTED (include method ref. and required DL's if known)							number of containers										
			Drinking Water	Waste Water	Sludge (reported dry wt.)	Oil	Soil / Solid	< INORGANICS & METALS	< NO3/NO2		< VOC'S	< RADIOLOGICAL								
Well #1	06.10.94	11:30 am	<input checked="" type="checkbox"/>																	

Special Instructions/Comments:

Lab Use Only

<input type="checkbox"/>	RUSH required
<input type="checkbox"/>	Correct Containers
<input type="checkbox"/>	Correct Preservative
<input type="checkbox"/>	Custody Seals
<input type="checkbox"/>	Paperwork Complete

Authorized By: Richard Moffat Date/Time: _____
 Received By (Lab): Betty Dawson Date/Time: 06.10.94/12:15