

STELBAR OIL CORPORATION, INC.

1625 NORTH WATERFRONT PARKWAY, SUITE #200

WICHITA, KANSAS 67206-6602

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API# 121-09802

Doc# 2303100

Date: 09/19/2007

September 19, 2007

State of Colorado
Oil and Gas Conservation Commission
1120 Lincoln Street, Suite #801
Denver, CO 80203

Attn.: Randall Ferguson

Re: Produced Water Pits
T2S-R49W, T3S-R49W, T2S-50W
Washington County, Colorado

Dear Mr. Ferguson:

Stelbar Oil Corporation, Inc. has been operating Niobrara gas wells in Washington County, Colorado for over twenty-five (25) years. During this time, Stelbar and most other operators in the area have used earthen pits as the primary method of disposal for Niobrara water. Niobrara produced water in this area normally has a total dissolved solid content of approximately 20,000 milligrams per liter and contains no oil or associated hydrocarbons. The total dissolved solids are primarily composed of sodium (about 7000 milligrams per liter) and chlorides (about 12,000 milligrams per liter). Livestock in the area have drunk the Niobrara produced water from the pits for years with no perceptible adverse side effects. In addition, we are completely unaware of any complaints or evidence of contamination of the Ogallala Aquifer in the three townships in which we operate wells and earthen pits are utilized.

In July 2007, Stelbar Oil Corporation, Inc., Niobrara Illuminating Gas Associates, LLC, Sand Hills Society, LLC and Vista Operating, Inc. decided to jointly fund the collection of Ogallala Aquifer water samples for analysis in the three townships in which all three (3) companies operate Niobrara gas wells. The purpose of collecting the samples was to determine if any evidence of contamination could be detected in the Ogallala water samples based on the composition and quantity of the dissolved solids. Water samples were obtained from twelve (12) Ogallala water wells in the three townships and were submitted to Evergreen Analytical Laboratory for analysis. The Ogallala water wells were generally located near Niobrara producing wells utilizing earthen pits. Attached, for your review, is a map showing the location of the water wells sampled and active Niobrara gas wells.

State of Colorado
Oil and Gas Conservation Commission

Re: Produced Water Pits
T2S-R49W, T3S-R49W, T2S-50W
Washington County, Colorado

As stated in your letter, uncontaminated Ogallala water normally has a total dissolved solids content less than 500 milligrams per liter. The dissolved solids consist primarily of calcium and bicarbonate. The results of the water analysis for the twelve (12) samples collected are shown below:

<u>Water Well Owner</u>	<u>Location</u>	<u>TDS – mg/l</u>
Green	SW/4 Sec. 6-T2S-R49W	208
Welker	SW/4 Sec. 10-T2S-R49W	241
Allen	NW/4 Sec. 17-T2S-R49W	193
Price	SE/4 Sec. 18-T2S-R49W	215
Mathies	NW/4 Sec. 19-T2S-R49W	206
Weeks	SW/4 Sec. 12-T3S-R49W	335
Bennish	NE/4 Sec. 35-T1S-R50W	262
Mathies	SE/4 Sec. 1-T2S-R50W	311
Maggard	NW/4 Sec. 11-T2S-R50W	382
Thim	SE/4 Sec. 13-T2S-R50W	199
Thim	NE/4 Sec. 14-T2S-R50W	328
Axsom	NE/4 Sec. 26-T2S-R50W	254

The total dissolved solids measured from the samples are all well below 500 milligram per liter, and consist primarily of calcium and bicarbonate, with smaller amounts of magnesium, sodium, chloride, and sulfate. Based on the above results, there is no evidence that contamination of the Ogallala has occurred, even after twenty-five (25) years of Niobrara water disposal in nearby earthen pits. In further support of this conclusion, none of the twelve (12) samples contained any detectable benzene, toluene, ethylbenzene, or xylene. Niobrara produced water typically contains trace amounts of these volatile organics. The complete reports provided by Evergreen Analytical Laboratory for all twelve (12) water samples are attached for your review.

It should be noted that the subject three townships are located on the very west edge of the Ogallala Aquifer as mapped by the U.S. Geological Survey. Based on discussions with surface owners in the area and actual well results, the Ogallala sand is poorly developed throughout most of the area. The distance from the bottom of the pits to the top of the Ogallala water is normally greater than 150 feet. We believe calcium carbonate scale precipitation from the produced water seals the bottom of the pits, and in combination with impermeable loess in the interval below the pits and above the Ogallala, prevent downward migration of the Niobrara water into the aquifer.

State of Colorado
Oil and Gas Conservation Commission

Re: Produced Water Pits
T2S-R49W, T3S-R49W, T2S-50W
Washington County, Colorado

Measured percolation rates in this area are generally very high, sometimes over 400 BPD. However, the published percolation rates appear to grossly exaggerate the ability of the produced water to migrate downward, as pits accepting only a few barrels of water per day will contain water on a continuous basis. If the water were percolating downward at even a fraction of the published rates, there would never be standing water in the pits. A typical Niobrara well produces less than five (5) barrels of water per day.

In summary, based on the evidence presented, we believe the use of earthen pits for Niobrara water disposal has not resulted in contamination of the Ogallala aquifer in the eastern portion of Washington County. In addition, we are not aware of any evidence suggesting the Ogallala has been contaminated by Niobrara produced water. Many of the Niobrara wells in Washington County produce very low rates of gas and are accessible by trail only. Trucking the produced water from these wells to a disposal facility would be extremely costly and could result in the premature abandonment of the wells. We strongly urge the Commission to allow the continued use of earthen pits for Niobrara water disposal for both existing wells and future wells.

Please note that I am writing this letter on behalf of and for the benefit of Stelbar Oil Corporation, Inc., Niobrara Illuminating Gas Associates, LLC, Sand Hills Society, LLC and Vista Operating, Inc. As noted in Paragraph 2 of this letter all four (4) entities jointly funded the collection of Ogallala Aquifer water samples for analysis.

I appreciate your time reviewing this information and if you have any questions regarding this letter or the information enclosed, please do not hesitate to contact the undersigned. You may reach me at 316 / 264-8378 Ext. 7605 or dial my office direct at 316 / 440-7605.

Sincerely,

STELBAR OIL CORPORATION, INC.
NIOBRARA ILLUMINATING GAS ASSOCIATES, LLC
SAND HILLS SOCIETY, LLC
VISTA OPERATING, INC.



Roscoe L. Mendenhall
Vice-President / Operations - Stelbar Oil Corporation, Inc.

RLM/glk

Enclosures

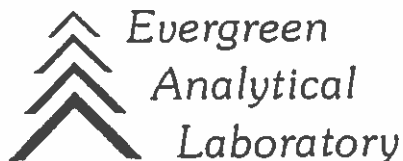
xc: Ken Strauch – COGA

WATER WELLS TESTED

#1	WEEKS	SW1/4 SEC 12 T3S R49W	6:45 AM
#2	AXSOM	NE1/4 SEC 26 T2S R50W	7:30 AM
#3	THIM #1	NE1/4 SEC 14 T2S R50W	7:45 AM
#4	THIM #2	SE1/4 SEC 13 T2S R50W	8:20 AM
#5	MATHIES	NW1/4 SEC 19 T2S R49W	8:50 AM
#6	PRICE ?	SE1/4 SEC 18 T2S R49W	9:10 AM
#7	WELKER	SW1/4 SEC 10 T2S R49W	9:30 AM
#8	ALLEN	NW1/4 SEC 17 T2S R49W	10:00 AM
#9	MAGGARD	NW1/4 SEC 11 T2S R50W	10:20 AM
#10	MATHIES	SE1/4 SEC 1 T2S R50W	10:45 AM
#11	GREEN	SW1/4 SEC 6 T2S R49W	11:30 AM
#12	BENISH	NE1/4 SEC 35 T1S R50W	11:45 AM

7/10/2007

DAVID MATHIES



July 24, 2007

Roscoe Mendenhall
Stelbar Oil Corporation Inc
1625 N Waterfront Parkway, Suite 200
Wichita, KS 67206

Lab Work Order: 07-4424
Client Project ID:

Dear Roscoe Mendenhall:

Enclosed are the analytical results for the samples shown in the Laboratory Work Order Summary. The invoice is included with this report or has been mailed to another party as indicated on the chain of custody.

The enclosed data for testing performed at Evergreen Analytical Laboratory (EAL) have been reviewed for quality assurance. A case narrative is included to describe any anomalies associated with the samples or data.

EAL will dispose of all samples one month from the date of this letter. If you want samples returned, please advise us by mail or fax as soon as possible.

A copy of this project report and supporting data will be retained for a period of five years unless we are otherwise advised by you. A document retrieval charge will apply.

Thank you for using the services of Evergreen Analytical. If you have any questions concerning the analytical data, please contact me. Please direct other questions to Client Services.

Sincerely,


Carl Smits / Kaprie Hollman
Technical Director of Chemical Analysis

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: #11 Green
Client Project ID:
Date Collected: 7/10/07 1130
Date Received: 7/11/07

Lab Work Order: 07-4424
Lab Sample ID: 07-4424-02
Sample Matrix: Drinking Water

Dissolved Metals

Method: E200.7, Rev. 4.4

Analyst: SS

	Result	LQL	DF	Units
Iron	0.0950	0.0700	1	mg/L

Total Metals

Method: E200.7, Rev. 4.4

Analyst: SS

	Result	LQL	DF	Units
Barium	0.161	0.00100	1	mg/L
Calcium	26.3	0.387	1	mg/L
Magnesium	9.57	0.150	1	mg/L
Sodium	7.18	0.400	1	mg/L

Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

	Result	LQL	DF	Units
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L

Alkalinity

Method: SM2320B

Analyst: CJ

	Result	LQL	DF	Units
Bicarbonate	123	5.0	1	mg/L CaCO ₃
Carbonate	U	5.0	1	mg/L CaCO ₃
Total Alkalinity	123	5.0	1	mg/L CaCO ₃

Anions by IC

Method: E300.0

Analyst: JCR

	Result	LQL	DF	Units
Chloride	4.7	0.50	1	mg/L
Sulfate	4.9	0.50	1	mg/L

E150.1 pH

Method: E150.1

Analyst: JCR

	Result	LQL	DF	Units
pH	7.84 H	1.00	1	pH Units

Hydrogen Sulfide

Method: SM 4500-S F/H

Analyst: JD

	Result	LQL	DF	Units
Hydrogen Sulfide	U	0.50	1	mg/L

Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

	Result	LQL	DF	Units
Total Dissolved Solids	208	10.0	1	mg/L

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: #7 ~~WCHK~~
Client Project ID:
Date Collected: 7/10/07 0930
Date Received: 7/11/07

Lab Work Order: 07-4424
Lab Sample ID: 07-4424-04
Sample Matrix: Drinking Water

Dissolved Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Result	LQL	DF	Units
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Iron	U	0.0700	1	mg/L
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Total Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Result	LQL	DF	Units
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Barium	0.142	0.00100	1	mg/L
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Calcium	28.2	0.387	1	mg/L
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Magnesium	10.9	0.150	1	mg/L
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Sodium	14.2	0.400	1	mg/L
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Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
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Benzene	U	1.0	1	µg/L
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Ethylbenzene	U	2.0	1	µg/L
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m,p-Xylene	U	2.0	1	µg/L
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o-Xylene	U	2.0	1	µg/L
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Toluene	U	2.0	1	µg/L
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Alkalinity

Method: SM2320B

Analyst: CJ

Result	LQL	DF	Units
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Bicarbonate	139	5.0	1	mg/L CaCO ₃
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Carbonate	U	5.0	1	mg/L CaCO ₃
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Total Alkalinity	139	5.0	1	mg/L CaCO ₃
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Anions by IC

Method: E300.0

Analyst: JCR

Result	LQL	DF	Units
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Chloride	4.87	0.50	1	mg/L
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Sulfate	11.8	0.50	1	mg/L
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E150.1 pH

Method: E150.1

Analyst: JCR

Result	LQL	DF	Units
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pH	7.88 H	1.00	1	pH Units
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Hydrogen Sulfide

Method: SM 4500-S F/H

Analyst: JD

Result	LQL	DF	Units
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Hydrogen Sulfide	U	0.50	1	mg/L
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Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
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Total Dissolved Solids	241	10.0	1	mg/L
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SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: #8 Allen
Client Project ID:
Date Collected: 7/10/07 1000
Date Received: 7/11/07

Lab Work Order: 07-4424
Lab Sample ID: 07-4424-05
Sample Matrix: Drinking Water

Dissolved Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Result	LQL	DF	Units
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Iron	U	0.0700	1	mg/L
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Total Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Result	LQL	DF	Units
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Barium	0.276	0.00100	1	mg/L
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Calcium	24.0	0.387	1	mg/L
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Magnesium	9.83	0.150	1	mg/L
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Sodium	5.51	0.400	1	mg/L
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Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
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Benzene	U	1.0	1	µg/L
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Ethylbenzene	U	2.0	1	µg/L
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m,p-Xylene	U	2.0	1	µg/L
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o-Xylene	U	2.0	1	µg/L
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Toluene	U	2.0	1	µg/L
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Alkalinity

Method: SM2320B

Analyst: CJ

Result	LQL	DF	Units
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Bicarbonate	116	5.0	1	mg/L CaCO ₃
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Carbonate	U	5.0	1	mg/L CaCO ₃
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Total Alkalinity	116	5.0	1	mg/L CaCO ₃
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Anions by IC

Method: E300.0

Analyst: JCR

Result	LQL	DF	Units
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Chloride	1.1	0.50	1	mg/L
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Sulfate	4.4	0.50	1	mg/L
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E150.1 pH

Method: E150.1

Analyst: JCR

Result	LQL	DF	Units
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pH	7.93 H	1.00	1	pH Units
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Hydrogen Sulfide

Method: SM 4500-S F/H

Analyst: JD

Result	LQL	DF	Units
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Hydrogen Sulfide	U	0.50	1	mg/L
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Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
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Total Dissolved Solids	193	10.0	1	mg/L
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SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: #6 Price
Client Project ID:
Date Collected: 7/10/07 0910
Date Received: 7/11/07

Lab Work Order: 07-4424
Lab Sample ID: 07-4424-09
Sample Matrix: Drinking Water

Dissolved Metals Method: E200.7, Rev. 4.4 Analyst: SS

	Result	LQL	DF	Units
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Iron	U	0.0700	1	mg/L
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Total Metals Method: E200.7, Rev. 4.4 Analyst: SS

	Result	LQL	DF	Units
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Barium	0.318	0.00100	1	mg/L
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Calcium	28.2	0.387	1	mg/L
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Magnesium	12.3	0.150	1	mg/L
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Sodium	4.87	0.400	1	mg/L
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Aromatic Volatile Organics Method: SW8021B Analyst: HJ

	Result	LQL	DF	Units
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Benzene	U	1.0	1	µg/L
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Ethylbenzene	U	2.0	1	µg/L
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m,p-Xylene	U	2.0	1	µg/L
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o-Xylene	U	2.0	1	µg/L
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Toluene	U	2.0	1	µg/L
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Alkalinity Method: SM2320B Analyst: CJ

	Result	LQL	DF	Units
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Bicarbonate	132	5.0	1	mg/L CaCO3
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Carbonate	U	5.0	1	mg/L CaCO3
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Total Alkalinity	132	5.0	1	mg/L CaCO3
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Anions by IC Method: E300.0 Analyst: JCR

	Result	LQL	DF	Units
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Chloride	1.4	0.50	1	mg/L
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Sulfate	4.4	0.50	1	mg/L
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E150.1 pH Method: E150.1 Analyst: JCR

	Result	LQL	DF	Units
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pH	7.83 H	1.00	1	pH Units
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Hydrogen Sulfide Method: SM 4500-S F/H Analyst: JD

	Result	LQL	DF	Units
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Hydrogen Sulfide	U	0.50	1	mg/L
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Total Dissolved Solids (TDS) Method: SM 2540C Analyst: JD

	Result	LQL	DF	Units
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Total Dissolved Solids	215	10.0	1	mg/L
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SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: #5 Mathis
Client Project ID:
Date Collected: 7/10/07 0850
Date Received: 7/11/07

Lab Work Order: 07-4424
Lab Sample ID: 07-4424-08
Sample Matrix: Drinking Water

Dissolved Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Result	LQL	DF	Units
U	0.0700	1	mg/L

Iron

Total Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Result	LQL	DF	Units
9.19	0.150	1	mg/L
6.86	0.400	1	mg/L
0.252	0.00100	1	mg/L
26.3	0.387	1	mg/L

Magnesium

Sodium

Barium

Calcium

Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

o-Xylene

Toluene

Alkalinity

Method: SM2320B

Analyst: CJ

Result	LQL	DF	Units
117	5.0	1	mg/L CaCO ₃
U	5.0	1	mg/L CaCO ₃
117	5.0	1	mg/L CaCO ₃

Bicarbonate

Carbonate

Total Alkalinity

Anions by IC

Method: E300.0

Analyst: JCR

Result	LQL	DF	Units
2.5	0.50	1	mg/L
5.0	0.50	1	mg/L

Chloride

Sulfate

E150.1 pH

Method: E150.1

Analyst: JCR

Result	LQL	DF	Units
7.95 H	1.00	1	pH Units

pH

Hydrogen Sulfide

Method: SM 4500-S F/H

Analyst: JD

Result	LQL	DF	Units
U	0.50	1	mg/L

Hydrogen Sulfide

Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
206	10.0	1	mg/L

Total Dissolved Solids

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: #1 Week
Client Project ID:
Date Collected: 7/10/07 0645
Date Received: 7/11/07

Lab Work Order: 07-4424
Lab Sample ID: 07-4424-10
Sample Matrix: Drinking Water

Dissolved Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Result	LQL	DF	Units
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Iron	U	0.0700	1	mg/L
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Total Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Result	LQL	DF	Units
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Barium	0.379	0.00100	1	mg/L
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Calcium	44.7	0.387	1	mg/L
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Magnesium	15.7	0.150	1	mg/L
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Sodium	12.1	0.400	1	mg/L
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Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
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Benzene	U	1.0	1	µg/L
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Ethylbenzene	U	2.0	1	µg/L
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m,p-Xylene	U	2.0	1	µg/L
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o-Xylene	U	2.0	1	µg/L
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Toluene	U	2.0	1	µg/L
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Alkalinity

Method: SM2320B

Analyst: CJ

Result	LQL	DF	Units
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Bicarbonate	152	5.0	1	mg/L CaCO ₃
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Carbonate	U	5.0	1	mg/L CaCO ₃
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Total Alkalinity	152	5.0	1	mg/L CaCO ₃
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Anions by IC

Method: E300.0

Analyst: JCR

Result	LQL	DF	Units
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Chloride	9.4	0.50	1	mg/L
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Sulfate	9.2	0.50	1	mg/L
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E150.1 pH

Method: E150.1

Analyst: JCR

Result	LQL	DF	Units
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pH	7.75 H	1.00	1	pH Units
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Hydrogen Sulfide

Method: SM 4500-S F/H

Analyst: JD

Result	LQL	DF	Units
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Hydrogen Sulfide	U	0.50	1	mg/L
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Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
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Total Dissolved Solids	335	10.0	1	mg/L
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SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: #12 ~~Bennish~~ *Bennish*

Client Project ID:

Date Collected: 7/10/07 1145

Date Received: 7/11/07

Lab Work Order: 07-4424

Lab Sample ID: 07-4424-03

Sample Matrix: Drinking Water

Dissolved Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Iron

Result	LQL	DF	Units
U	0.0700	1	mg/L

Total Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Barium

Result	LQL	DF	Units
0.165	0.00100	1	mg/L

Calcium

Result	LQL	DF	Units
33.6	0.387	1	mg/L

Magnesium

Result	LQL	DF	Units
12.9	0.150	1	mg/L

Sodium

Result	LQL	DF	Units
12.6	0.400	1	mg/L

Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Benzene

Result	LQL	DF	Units
U	1.0	1	µg/L

Ethylbenzene

Result	LQL	DF	Units
U	2.0	1	µg/L

m,p-Xylene

Result	LQL	DF	Units
U	2.0	1	µg/L

o-Xylene

Result	LQL	DF	Units
U	2.0	1	µg/L

Toluene

Result	LQL	DF	Units
U	2.0	1	µg/L

Alkalinity

Method: SM2320B

Analyst: CJ

Bicarbonate

Result	LQL	DF	Units
157	5.0	1	mg/L CaCO3

Carbonate

Result	LQL	DF	Units
U	5.0	1	mg/L CaCO3

Total Alkalinity

Result	LQL	DF	Units
157	5.0	1	mg/L CaCO3

Anions by IC

Method: E300.0

Analyst: JCR

Chloride

Result	LQL	DF	Units
7.7	0.50	1	mg/L

Sulfate

Result	LQL	DF	Units
9.9	0.50	1	mg/L

E150.1 pH

Method: E150.1

Analyst: JCR

pH

Result	LQL	DF	Units
7.76 H	1.00	1	pH Units

Hydrogen Sulfide

Method: SM 4500-S F/H

Analyst: JD

Hydrogen Sulfide

Result	LQL	DF	Units
U	0.50	1	mg/L

Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Total Dissolved Solids

Result	LQL	DF	Units
262	10.0	1	mg/L

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: #10 Mathis #2

Client Project ID:

Date Collected: 7/10/07 1045

Date Received: 7/11/07

Lab Work Order: 07-4424

Lab Sample ID: 07-4424-01

Sample Matrix: Drinking Water

Dissolved Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Result	LQL	DF	Units
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Iron	U	0.0700	1	mg/L
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Total Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Result	LQL	DF	Units
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Barium	0.213	0.00100	1	mg/L
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Calcium	42.1	0.387	1	mg/L
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Magnesium	14.7	0.150	1	mg/L
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Sodium	10.9	0.400	1	mg/L
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Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
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Benzene	U	1.0	1	µg/L
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Ethylbenzene	U	2.0	1	µg/L
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m,p-Xylene	U	2.0	1	µg/L
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o-Xylene	U	2.0	1	µg/L
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Toluene	U	2.0	1	µg/L
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Alkalinity

Method: SM2320B

Analyst: CJ

Result	LQL	DF	Units
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Bicarbonate	169	5.0	1	mg/L CaCO3
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Carbonate	U	5.0	1	mg/L CaCO3
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Total Alkalinity	169	5.0	1	mg/L CaCO3
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Anions by IC

Method: E300.0

Analyst: JCR

Result	LQL	DF	Units
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Chloride	17.2	0.50	1	mg/L
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Sulfate	12.8	0.50	1	mg/L
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E150.1 pH

Method: E150.1

Analyst: JCR

Result	LQL	DF	Units
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pH	7.61 H	1.00	1	pH Units
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Hydrogen Sulfide

Method: SM 4500-S F/H

Analyst: JD

Result	LQL	DF	Units
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Hydrogen Sulfide	U	0.50	1	mg/L
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Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
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Total Dissolved Solids	311	10.0	1	mg/L
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SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: #9 Maggard

Client Project ID:

Date Collected: 7/10/07 1020

Date Received: 7/11/07

Lab Work Order: 07-4424

Lab Sample ID: 07-4424-06

Sample Matrix: Drinking Water

Dissolved Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Result	LQL	DF	Units
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Iron	U	0.0700	1	mg/L
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Total Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Result	LQL	DF	Units
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Barium	0.0935	0.00100	1	mg/L
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Calcium	43.5	0.387	1	mg/L
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Magnesium	17.4	0.150	1	mg/L
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Sodium	19.9	0.400	1	mg/L
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Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
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Benzene	U	1.0	1	µg/L
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Ethylbenzene	U	2.0	1	µg/L
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m,p-Xylene	U	2.0	1	µg/L
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o-Xylene	U	2.0	1	µg/L
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Toluene	U	2.0	1	µg/L
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Alkalinity

Method: SM2320B

Analyst: CJ

Result	LQL	DF	Units
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Bicarbonate	153	5.0	1	mg/L CaCO3
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Carbonate	U	5.0	1	mg/L CaCO3
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Total Alkalinity	153	5.0	1	mg/L CaCO3
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Anions by IC

Method: E300.0

Analyst: JCR

Result	LQL	DF	Units
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Chloride	48.0	0.50	1	mg/L
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Sulfate	13.2	0.50	1	mg/L
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E150.1 pH

Method: E150.1

Analyst: JCR

Result	LQL	DF	Units
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pH	7.82 H	1.00	1	pH Units
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Hydrogen Sulfide

Method: SM 4500-S F/H

Analyst: JD

Result	LQL	DF	Units
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Hydrogen Sulfide	U	0.50	1	mg/L
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Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
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Total Dissolved Solids	382	10.0	1	mg/L
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SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: #4 Thim #2
Client Project ID:
Date Collected: 7/10/07 0820
Date Received: 7/11/07

Lab Work Order: 07-4424
Lab Sample ID: 07-4424-07
Sample Matrix: Drinking Water

Dissolved Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Result	LQL	DF	Units
U	0.0700	1	mg/L

Iron

Total Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Result	LQL	DF	Units
8.69	0.150	1	mg/L
7.54	0.400	1	mg/L
0.148	0.00100	1	mg/L
24.6	0.387	1	mg/L

Magnesium

Sodium

Barium

Calcium

Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

o-Xylene

Toluene

Alkalinity

Method: SM2320B

Analyst: CJ

Result	LQL	DF	Units
119	5.0	1	mg/L CaCO3
U	5.0	1	mg/L CaCO3
119	5.0	1	mg/L CaCO3

Bicarbonate

Carbonate

Total Alkalinity

Anions by IC

Method: E300.0

Analyst: JCR

Result	LQL	DF	Units
2.0	0.50	1	mg/L
4.9	0.50	1	mg/L

Chloride

Sulfate

E150.1 pH

Method: E150.1

Analyst: JCR

Result	LQL	DF	Units
7.94 H	1.00	1	pH Units

pH

Hydrogen Sulfide

Method: SM 4500-S F/H

Analyst: JD

Result	LQL	DF	Units
U	0.50	1	mg/L

Hydrogen Sulfide

Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
199	10.0	1	mg/L

Total Dissolved Solids

SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: #3 Thim #1
Client Project ID:
Date Collected: 7/10/07 0745
Date Received: 7/11/07

Lab Work Order: 07-4424
Lab Sample ID: 07-4424-12
Sample Matrix: Drinking Water

Dissolved Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Result	LQL	DF	Units
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Iron	U	0.0700	1	mg/L
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Total Metals

Method: E200.7, Rev. 4.4

Analyst: SS

Result	LQL	DF	Units
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Magnesium	15.2	0.150	1	mg/L
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Sodium	11.6	0.400	1	mg/L
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Barium	0.169	0.00100	1	mg/L
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Calcium	45.7	0.387	1	mg/L
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Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
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Benzene	U	1.0	1	µg/L
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Ethylbenzene	U	2.0	1	µg/L
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m,p-Xylene	U	2.0	1	µg/L
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o-Xylene	U	2.0	1	µg/L
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Toluene	U	2.0	1	µg/L
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Alkalinity

Method: SM2320B

Analyst: CJ

Result	LQL	DF	Units
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Bicarbonate	165	5.0	1	mg/L CaCO ₃
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Carbonate	U	5.0	1	mg/L CaCO ₃
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Total Alkalinity	165	5.0	1	mg/L CaCO ₃
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Anions by IC

Method: E300.0

Analyst: JCR

Result	LQL	DF	Units
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Chloride	14.9	0.50	1	mg/L
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Sulfate	12.5	0.50	1	mg/L
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E150.1 pH

Method: E150.1

Analyst: JCR

Result	LQL	DF	Units
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pH	7.61 H	1.00	1	pH Units
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Hydrogen Sulfide

Method: SM 4500-S F/H

Analyst: JD

Result	LQL	DF	Units
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Hydrogen Sulfide	U	0.50	1	mg/L
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Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
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Total Dissolved Solids	328	10.0	1	mg/L
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SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: #2 Axom

Client Project ID:

Date Collected: 7/10/07 0730

Date Received: 7/11/07

Lab Work Order: 07-4424

Lab Sample ID: 07-4424-11

Sample Matrix: Drinking Water

Dissolved Metals

Method: E200.7, Rev. 4.4

Analyst: SS

	Result	LQL	DF	Units
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Iron	U	0.0700	1	mg/L
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Total Metals

Method: E200.7, Rev. 4.4

Analyst: SS

	Result	LQL	DF	Units
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Magnesium	11.3	0.150	1	mg/L
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Sodium	12.1	0.400	1	mg/L
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Barium	0.0826	0.00100	1	mg/L
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Calcium	32.0	0.387	1	mg/L
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Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

	Result	LQL	DF	Units
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Benzene	U	1.0	1	µg/L
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Ethylbenzene	U	2.0	1	µg/L
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m,p-Xylene	U	2.0	1	µg/L
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o-Xylene	U	2.0	1	µg/L
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Toluene	U	2.0	1	µg/L
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Alkalinity

Method: SM2320B

Analyst: CJ

	Result	LQL	DF	Units
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Bicarbonate	149	5.0	1	mg/L CaCO ₃
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Carbonate	U	5.0	1	mg/L CaCO ₃
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Total Alkalinity	149	5.0	1	mg/L CaCO ₃
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Anions by IC

Method: E300.0

Analyst: JCR

	Result	LQL	DF	Units
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Chloride	7.1	0.50	1	mg/L
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Sulfate	7.3	0.50	1	mg/L
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E150.1 pH

Method: E150.1

Analyst: JCR

	Result	LQL	DF	Units
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pH	7.77 H	1.00	1	pH Units
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Hydrogen Sulfide

Method: SM 4500-S F/H

Analyst: JD

	Result	LQL	DF	Units
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Hydrogen Sulfide	U	0.50	1	mg/L
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Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

	Result	LQL	DF	Units
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Total Dissolved Solids	254	10.0	1	mg/L
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