

Ferguson, Randall

From: Schneider, Paul [Paul.Schneider@anadarko.com]
Sent: Thursday, November 16, 2006 10:49 AM
To: Ferguson, Randall
Cc: John Cocroft
Subject: FW: Gould Water well data
Attachments: New Deep Well and Old Shallow Well WQ data 11-1-2005.pdf; 12-21-05 new shallow gould well data.pdf

Hey Randall,

Several weeks ago you asked me to see if we have data from the sampling of Jerry Gould's various water wells. I checked our files and had Cocroft do the same. Attached are all that we have. One file has data from the original shallow well and the deep well we drilled. The other file has data from the new shallow well. So can we abandon his original well and deep well yet? I believe it's a permit requirement from the State Engineer's office. Let me know if you need anything else.

Paul Schneider
Staff Environmental & Regulatory Analyst
Anadarko Petroleum Corp.
720-264-2715 (office)
303-868-6665 (cell)

From: John Cocroft [mailto:jcocroft@ltenv.com]
Sent: Wednesday, November 15, 2006 3:16 PM
To: Schneider, Paul
Subject: Gould Water well data

John E. Cocroft
Senior Hydrogeologist
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, Colorado 80003
(303) 433-9788
(303) 962-5504 direct
(303) 433-1432 fax
www.ltenv.com
jcocroft@ltenv.com



Compliance • Engineering • Remediation

Please note my E-Mail Address has changed. Please update your contact list

11/16/2006



Summit Scientific

741 Corporate Circle - Suite I Golden, Colorado 80401

303.277.9310 303.277.9531 fax

November 07, 2005

John Cocroft
LT Environmental, Inc.
4400 West 46th Avenue
Denver, CO 80212
RE: KMG - Gould

Enclosed are the results of analyses for samples received by Summit Scientific on 11/01/05 15:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Noelle E Doyle', with a stylized flourish at the end.

Noelle E Doyle
Laboratory Manager

S₂

LT Environmental, Inc.
4400 West 46th Avenue
Denver CO, 80212

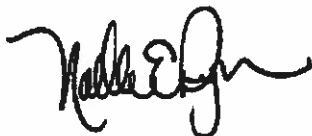
Project: KMG - Gould
Project Number: KMG0475
Project Manager: John Cocroft

Reported:
11/07/05 12:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Old Well	R511001-01	Water	11/01/05 13:25	11/01/05 15:50
New Well	R511001-02	Water	11/01/05 14:15	11/01/05 15:50

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LT Environmental, Inc.
4400 West 46th Avenue
Denver CO, 80212

Project: KMG - Gould
Project Number: KMG0475
Project Manager: John Cocroft

Reported:
11/07/05 12:58

Summit Scientific 25/1001

741 Corporate Circle Suite 100 • Golden, Colorado 80601
303-277-9310 • 303-277-9311 Fax

Client: LT Environmental, Inc.
Address: 4400 W. 46th Ave.
City/State/Zip: Denver Colorado 80212
Phone: 303-633-4788 Fax: 303-433-1432
Sample Name: Mike Unger
Project Manager: John Cocroft
E-Mail: john.cocroft@ltenv.com
Project Name: Gould Water Well
Project Number: KMG-0575

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix				Analyze For:				Special Instructions	Notes
				HCl	HNO ₃	None	Other (Specify)	Soil	Air - Canister Retail	Other (Specify)	Asbestos/Lead/Chromium/PCB/PAHs	TOX	Heavy Metals	S-Hg	N-Hg		
D10 W200	11-1-05	1325	5	X	X	X		X	X	X	X	X	X	X	X	(See attached private list)	Jok
Blank W200	11-1-05	1455	5	X	X	X		X	X	X	X	X	X	X	X		
S																	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Preservative				Matrix				Analyze For:				Special Instructions	Notes
Mike Unger	11-1-05 1550																
Relinquished by:	Date/Time:	Received by:	Date/Time:	Preservative				Matrix				Analyze For:				Special Instructions	Notes
Relinquished by:	Date/Time:	Received by:	Date/Time:	Preservative				Matrix				Analyze For:				Special Instructions	Notes



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LT Environmental, Inc.
4400 West 46th Avenue
Denver CO, 80212

Project: KMG - Gould
Project Number: KMG0475
Project Manager: John Cocroft

Reported:
11/07/05 12:58

Old Well
R511001-01 (Water)

Del Mar Analytical, Irvine

METALS

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	ND	0.0050	mg/l	1	5K02079	11/02/05	11/03/05	EPA 200.7	

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium	ND	0.0050	"	"	"	"	"	"	

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	110	0.10	"	"	"	"	11/03/05	"	

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium	ND	0.0050	"	"	"	"	11/03/05	"	

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Iron	1.9	0.040	"	"	"	"	11/03/05	"	

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	ND	0.0050	"	"	"	"	11/03/05	"	

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Project Manager: John Cocroft

Reported:
11/07/05 12:58

Old Well
R511001-01 (Water)

Del Mar Analytical, Irvine

METALS

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Magnesium	42	0.020	mg/l	1	5K02079	11/02/05	11/03/05	EPA 200.7	

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Manganese	1.9	0.020	"	"	"	"	"	"	

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Potassium	3.6	0.50	"	"	"	"	11/03/05	"	

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Selenium	ND	0.010	"	"	"	"	11/03/05	"	

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium	130	0.50	"	"	"	"	11/03/05	"	

INORGANICS

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Alkalinity as CaCO ₃	380	2.0	mg/l	1	5K03096	11/03/05	11/03/05	EPA 310.1	

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Project Number: KMG0475
Project Manager: John Cocroft

Reported:
11/07/05 12:58

Old Well
R511001-01 (Water)

Del Mar Analytical, Irvine

INORGANICS

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	61	5.0	mg/l	10	5K03049	11/03/05	11/03/05	EPA 300.0	

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Fluoride	0.80	0.50	"	1	5K02054	11/02/05	11/02/05	"	

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hardness (as CaCO ₃)	270	1.0	"	"	5K02079	11/02/05	11/03/05	SM2340B	

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nitrate-N	ND	0.15	"	"	5K02054	11/02/05	11/02/05	EPA 300.0	

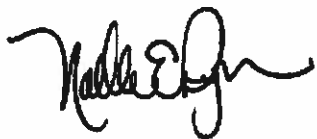
Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nitrite-N	ND	0.15	"	"	"	"	"	"	

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sulfate	250	5.0	"	10	5K03049	11/03/05	11/03/05	"	

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Reported:
11/07/05 12:58

Old Well
R511001-01 (Water)

Del Mar Analytical, Irvine

INORGANICS

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Sulfide	1.2	0.20	mg/l	2	5K02101	11/02/05	11/02/05	EPA 376.2	P

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	860	10	"	1	5K02119	11/02/05	11/02/05	EPA 160.1	

CATION/ANION BALANCE (Calculation)

Date Sampled: 11/01/05 13:25

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Cation/Anion Balance	15	0.0	%	1	5K03111	11/03/05	11/03/05	Calculation	+

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Project Manager: John Cocroft

Reported:
11/07/05 12:58

New Well
R511001-02 (Water)

Del Mar Analytical, Irvine

METALS

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.0063	0.0050	mg/l	1	5K02079	11/02/05	11/03/05	EPA 200.7	

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium	ND	0.0050	"	"	"	"	"	"	

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	47	0.10	"	"	"	"	11/03/05	"	

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium	0.047	0.0050	"	"	"	"	11/03/05	"	

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Iron	5.7	0.040	"	"	"	"	11/03/05	"	

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	0.0061	0.0050	"	"	"	"	11/03/05	"	

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Project: KMG - Gould
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Reported:
11/07/05 12:58

New Well
R511001-02 (Water)

Del Mar Analytical, Irvine

METALS

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Magnesium	14	0.020	mg/l	1	5K02079	11/02/05	11/03/05	EPA 200.7	

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Manganese	0.066	0.020	"	"	"	"	"	"	

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Potassium	6.2	0.50	"	"	"	"	11/03/05	"	

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Selenium	ND	0.010	"	"	"	"	11/03/05	"	

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium	750	1.0	"	2	"	"	11/03/05	"	

INORGANICS

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Alkalinity as CaCO ₃	190	2.0	mg/l	1	5K03096	11/03/05	11/03/05	EPA 310.1	

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Project: KMG - Gould
Project Number: KMG0475
Project Manager: John Cocroft

Reported:
11/07/05 12:58

New Well
R511001-02 (Water)

Del Mar Analytical, Irvine

INORGANICS

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	210	25	mg/l	50	5K03049	11/03/05	11/03/05	EPA 300.0	

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Fluoride	1.7	1.0	"	2	5K02054	11/02/05	11/02/05	"	

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hardness (as CaCO ₃)	180	1.0	"	1	5K02079	11/02/05	11/03/05	SM2340B	

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nitrate-N	1.1	0.30	"	2	5K02054	11/02/05	11/02/05	EPA 300.0	

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nitrite-N	ND	0.30	"	"	"	"	"	"	RL-3

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sulfate	1300	25	"	50	5K03049	11/03/05	11/03/05	"	

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Reported:
11/07/05 12:58

New Well
R511001-02 (Water)

Del Mar Analytical, Irvine

INORGANICS

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sulfide	ND	0.10	mg/l	1	5K02101	11/02/05	11/02/05	EPA 376.2	P

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	2400	10	"	"	5K02119	11/02/05	11/02/05	EPA 160.1	

CATION/ANION BALANCE (Calculation)

Date Sampled: 11/01/05 14:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cation/Anion Balance	2.0	0.0	%	1	5K03111	11/03/05	11/03/05	Calculation	+

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4400 West 46th Avenue
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Project: KMG - Gould
Project Number: KMG0475
Project Manager: John Cocroft

Reported:
11/07/05 12:58

METALS - Quality Control
Del Mar Analytical, Irvine

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

Batch 5K02079 - EPA 200.2 ICP

Blank (5K02079-BLK1)

Prepared & Analyzed: 11/02/05

Arsenic	ND	0.0050	mg/l
Cadmium	ND	0.0050	"
Calcium	ND	0.10	"
Chromium	ND	0.0050	"
Iron	ND	0.040	"
Lead	ND	0.0050	"
Magnesium	ND	0.020	"
Manganese	ND	0.020	"
Potassium	ND	0.50	"
Selenium	ND	0.010	"
Sodium	ND	0.50	"

LCS (5K02079-BS1)

Prepared & Analyzed: 11/02/05

Arsenic	0.474	0.0050	mg/l	0.500	95	85-115
Cadmium	0.460	0.0050	"	0.500	92	85-115
Calcium	2.52	0.10	"	2.50	101	85-115
Chromium	0.466	0.0050	"	0.500	93	85-115
Iron	0.483	0.040	"	0.500	97	85-115
Lead	0.467	0.0050	"	0.500	93	85-115
Magnesium	2.32	0.020	"	2.50	93	85-115
Manganese	0.473	0.020	"	0.500	95	85-115
Potassium	4.65	0.50	"	5.00	93	85-115
Selenium	0.443	0.010	"	0.500	89	85-115
Sodium	4.74	0.50	"	5.00	95	85-115

Matrix Spike (5K02079-MS1)

Source: IOK0118-01

Prepared & Analyzed: 11/02/05

Arsenic	0.492	0.0050	mg/l	0.500	ND	98	70-130	
Cadmium	0.452	0.0050	"	0.500	ND	90	70-130	
Calcium	85.0	0.10	"	2.50	79	240	70-130	M-HA
Chromium	0.475	0.0050	"	0.500	0.0046	94	70-130	
Iron	0.831	0.040	"	0.500	0.36	94	70-130	
Lead	0.457	0.0050	"	0.500	ND	91	70-130	
Magnesium	39.6	0.020	"	2.50	36	144	70-130	M-HA
Manganese	0.546	0.020	"	0.500	0.073	95	70-130	

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Project: KMG - Gould
Project Number: KMG0475
Project Manager: John Cocroft

Reported:
11/07/05 12:58

METALS - Quality Control
Del Mar Analytical, Irvine

Analyte	Reporting			Spike	Source	%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

Batch 5K02079 - EPA 200.2 ICP

Matrix Spike (5K02079-MS1)				Source: IOK0118-01		Prepared & Analyzed: 11/02/05				
Potassium	32.1	0.50	mg/l	5.00	26	122	70-130			
Selenium	0.289	0.010	"	0.500	ND	58	70-130			M2
Sodium	170	0.50	"	5.00	160	200	70-130			M-HA

Matrix Spike (5K02079-MS2)				Source: IOK0084-01		Prepared: 11/02/05 Analyzed: 11/03/05				
Arsenic	0.479	0.0050	mg/l	0.500	ND	96	70-130			
Cadmium	0.443	0.0050	"	0.500	ND	89	70-130			
Calcium	45.0	0.10	"	2.50	43	80	70-130			
Chromium	0.457	0.0050	"	0.500	ND	91	70-130			
Iron	0.477	0.040	"	0.500	ND	95	70-130			
Lead	0.449	0.0050	"	0.500	ND	90	70-130			
Magnesium	11.9	0.020	"	2.50	9.7	88	70-130			
Manganese	0.473	0.020	"	0.500	ND	95	70-130			
Potassium	6.04	0.50	"	5.00	1.5	91	70-130			
Selenium	0.435	0.010	"	0.500	ND	87	70-130			
Sodium	50.5	0.50	"	5.00	46	90	70-130			

Matrix Spike Dup (5K02079-MSD1)				Source: IOK0118-01		Prepared & Analyzed: 11/02/05				
Arsenic	0.488	0.0050	mg/l	0.500	ND	98	70-130	0.8	20	
Cadmium	0.445	0.0050	"	0.500	ND	89	70-130	2	20	
Calcium	84.8	0.10	"	2.50	79	232	70-130	0.2	20	M-HA
Chromium	0.466	0.0050	"	0.500	0.0046	92	70-130	2	20	
Iron	0.831	0.040	"	0.500	0.36	94	70-130	0	20	
Lead	0.452	0.0050	"	0.500	ND	90	70-130	1	20	
Magnesium	39.5	0.020	"	2.50	36	140	70-130	0.3	20	M-HA
Manganese	0.541	0.020	"	0.500	0.073	94	70-130	0.9	20	
Potassium	31.8	0.50	"	5.00	26	116	70-130	0.9	20	
Selenium	0.255	0.010	"	0.500	ND	51	70-130	12	20	M2
Sodium	168	0.50	"	5.00	160	160	70-130	1	20	M-HA

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Project: KMG - Gould
Project Number: KMG0475
Project Manager: John Cocroft

Reported:
11/07/05 12:58

INORGANICS - Quality Control
Del Mar Analytical, Irvine

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch 5K02054 - General Prep

Blank (5K02054-BLK1)

Prepared & Analyzed: 11/02/05

Fluoride	ND	0.50	mg/l
Nitrate-N	ND	0.15	"
Nitrite-N	ND	0.15	"

LCS (5K02054-BS1)

Prepared & Analyzed: 11/02/05

Fluoride	5.02	0.50	mg/l	5.00	100	90-110
Nitrate-N	1.24	0.15	"	1.13	110	90-110
Nitrite-N	1.59	0.15	"	1.52	105	90-110

Matrix Spike (5K02054-MS1)

Source: IOK0123-01

Prepared & Analyzed: 11/02/05

Fluoride	4.87	0.50	mg/l	5.00	0.46	88	80-120
Nitrate-N	1.13	0.15	"	1.13	ND	100	80-120
Nitrite-N	1.56	0.15	"	1.52	ND	103	80-120

Matrix Spike Dup (5K02054-MSD1)

Source: IOK0123-01

Prepared & Analyzed: 11/02/05

Fluoride	5.32	0.50	mg/l	5.00	0.46	97	80-120	9	20
Nitrate-N	1.19	0.15	"	1.13	ND	105	80-120	5	20
Nitrite-N	1.65	0.15	"	1.52	ND	109	80-120	6	20

Batch 5K02079 - EPA 200.2 ICP

Blank (5K02079-BLK1)

Prepared & Analyzed: 11/02/05

Hardness (as CaCO ₃)	ND	1.0	mg/l
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Batch 5K02101 - General Prep

Blank (5K02101-BLK1)

Prepared & Analyzed: 11/02/05

Sulfide	ND	0.10	mg/l
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Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

S₂

LT Environmental, Inc.
4400 West 46th Avenue
Denver CO, 80212

Project: KMG - Gould
Project Number: KMG0475
Project Manager: John Cocroft

Reported:
11/07/05 12:58

INORGANICS - Quality Control
Del Mar Analytical, Irvine

Analyte	Reporting			Spike	Source	%REC			RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit		

Batch 5K02101 - General Prep

LCS (5K02101-BS1)

Prepared & Analyzed: 11/02/05

Sulfide	0.608	0.10	mg/l	0.540	113	80-120
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Matrix Spike (5K02101-MS1)

Source: IOJ2216-08

Prepared & Analyzed: 11/02/05

Sulfide	0.577	0.10	mg/l	0.540	0.024	102	70-130
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Matrix Spike Dup (5K02101-MSD1)

Source: IOJ2216-08

Prepared & Analyzed: 11/02/05

Sulfide	0.644	0.10	mg/l	0.540	0.024	115	70-130	11	30
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Batch 5K02119 - General Prep

Blank (5K02119-BLK1)

Prepared & Analyzed: 11/02/05

Total Dissolved Solids	ND	10	mg/l
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LCS (5K02119-BS1)

Prepared & Analyzed: 11/02/05

Total Dissolved Solids	1030	10	mg/l	1000	103	90-110
------------------------	------	----	------	------	-----	--------

Duplicate (5K02119-DUP1)

Source: R511001-01

Prepared & Analyzed: 11/02/05

Total Dissolved Solids	875	10	mg/l	860		2	10
------------------------	-----	----	------	-----	--	---	----

Batch 5K03049 - General Prep

Blank (5K03049-BLK1)

Prepared & Analyzed: 11/03/05

Chloride	ND	0.50	mg/l
Sulfate	ND	0.50	"

LCS (5K03049-BS1)

Prepared & Analyzed: 11/03/05

Chloride	5.26	0.50	mg/l	5.00	105	90-110	M-3
Sulfate	10.5	0.50	"	10.0	105	90-110	M-3

Summit Scientific



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

S₂

LT Environmental, Inc.
4400 West 46th Avenue
Denver CO, 80212

Project: KMG - Gould
Project Number: KMG0475
Project Manager: John Cocroft

Reported:
11/07/05 12:58

INORGANICS - Quality Control
Del Mar Analytical, Irvine

Analyte	Reporting			Spike	Source	%REC			RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5K03096 - General Prep

Duplicate (5K03096-DUP1)		Source: R511001-01			Prepared & Analyzed: 11/03/05					
Alkalinity as CaCO ₃	380	2.0	mg/l		380			0	20	
Reference (5K03096-SRM1)					Prepared & Analyzed: 11/03/05					
Alkalinity as CaCO ₃	540	2.0	mg/l		538	100	94-105			

Summit Scientific



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

S₂

LT Environmental, Inc.
4400 West 46th Avenue
Denver CO, 80212

Project: KMG - Gould
Project Number: KMG0475
Project Manager: John Cocroft

Reported:
11/07/05 12:58

Notes and Definitions

RL-3 Reporting limit raised due to high concentrations of non-target analytes.

P The sample, as received, was not preserved in accordance to the referenced analytical method.

M-HA Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).

M-3 Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).

M2 The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

+ Positive Ion Balance

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Summit Scientific



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

WORK ORDER Summary**Evergreen Analytical, Inc.****05-9403**

Rpt To: John Cocroft

Fax To: John Cocroft

FX: (303) 433-1432

LT Environmental

Email To: jcocroft@ltenv.com

4400 West 46th Avenue

Denver, CO 80212

(303) 433-9788

12/23/05 8:35:36 AM

Client Project ID: KMG

QC Level: LEVEL I

Comments: Also email pschneider@kmg.com

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
05-9403-01A	Gould New Well	Groundwater	12/21/05 1300	12/21/05	8021_W *	8021: BTEX, M&BE	<input type="checkbox"/>	<input type="checkbox"/>	12/27/05	1/04/06
05-9403-01B	Gould New Well	Groundwater	12/21/05 1300	12/21/05	6020_WT *	6020: Total Metals	<input type="checkbox"/>	<input type="checkbox"/>	12/27/05	6/19/06
05-9403-01C	Gould New Well	Groundwater	12/21/05 1300	12/21/05	6020_D *	6020: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	12/27/05	6/19/06
05-9403-01C	Gould New Well	Groundwater	12/21/05 1300	12/21/05	Total Hardness	Total Hardness (calc)	<input type="checkbox"/>	<input type="checkbox"/>	12/27/05	
05-9403-01D	Gould New Well	Groundwater	12/21/05 1300	12/21/05	ALK_WGRP *	Alkalinity	<input type="checkbox"/>	<input type="checkbox"/>	12/27/05	1/04/06
05-9403-01E	Gould New Well	Groundwater	12/21/05 1300	12/21/05	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	12/27/05	1/18/06
05-9403-01E	Gould New Well	Groundwater	12/21/05 1300	12/21/05	F_W ^	Fluoride	<input type="checkbox"/>	<input type="checkbox"/>	12/27/05	1/18/06
05-9403-01E	Gould New Well	Groundwater	12/21/05 1300	12/21/05	PH_W	150.1: pH	<input type="checkbox"/>	<input type="checkbox"/>	12/27/05	12/22/05
05-9403-01F	Gould New Well	Groundwater	12/21/05 1300	12/21/05	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	12/27/05	12/28/05
05-9403-01G	Gould New Well	Groundwater	12/21/05 1300	12/21/05	MEEP_W *	RSK175M: MEEP	<input type="checkbox"/>	<input type="checkbox"/>	12/27/05	1/04/06
05-9403-01H	Gould New Well	Groundwater	12/21/05 1300	12/21/05	SULF_H2S	Hydrogen Sulfide	<input type="checkbox"/>	<input type="checkbox"/>	12/27/05	12/28/05
05-9403-01I	Gould New Well	Groundwater	12/21/05 1300	12/21/05	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	12/27/05	12/23/05

Definitions: * - Test Code has a Select List

Page 1 of 1

Evergreen Analytical, Inc.

Date: 28-Dec-05

Client Project ID: KMG

Lab Order: 05-9403

CASE NARRATIVE

SAMPLE RECEIVING

Sample(s) were hand delivered to the laboratory by the client.

Custody seals were not present.

The temperature of the sample(s) upon arrival was 2 °C.

Sample(s) were received in good condition, in the proper container, and within holding times.

Sample(s) were preserved properly ; VOC sample(s) were marked as preserved on the bottle labels.

VOC sample(s) were received with no headspace present. JD

QUALITY ASSURANCE

Analyses performed on samples in this work order meet the requirements of the EAL Quality Assurance Program unless otherwise explained. Analyses of RCRA samples meet the requirements of NELAC and Utah Rule R444-14 unless otherwise explained. CMS

CLIENT SERVICES

There are no anomalies to report. AMU

GENERAL CHEMISTRY

There are no anomalies to report. MM

METALS ANALYSIS

There are no anomalies to report. MB

GAS CHROMATOGRAPHY

Method 8021_W: There are no anomalies to report. JM

Method MEEP_W: There are no anomalies to report. TMI

Evergreen Analytical, Inc.
 4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
 (303) 425-6021

Client Sample ID: Gould New Well
 Client Project ID: KMG
 Date Collected: 12/21/05
 Date Received: 12/21/05

Lab Work Order: 05-9403
 Lab Sample ID: 05-9403-01A
 Sample Matrix: Groundwater

AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030A

Date Prepared: 12/21/05

Lab File ID: TVB41221\029R

Dilution Factor: 1

Date Analyzed: 12/22/05

Method Blank: AB4122105

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	102	QC Limits: 44-166	%REC


 Analyst

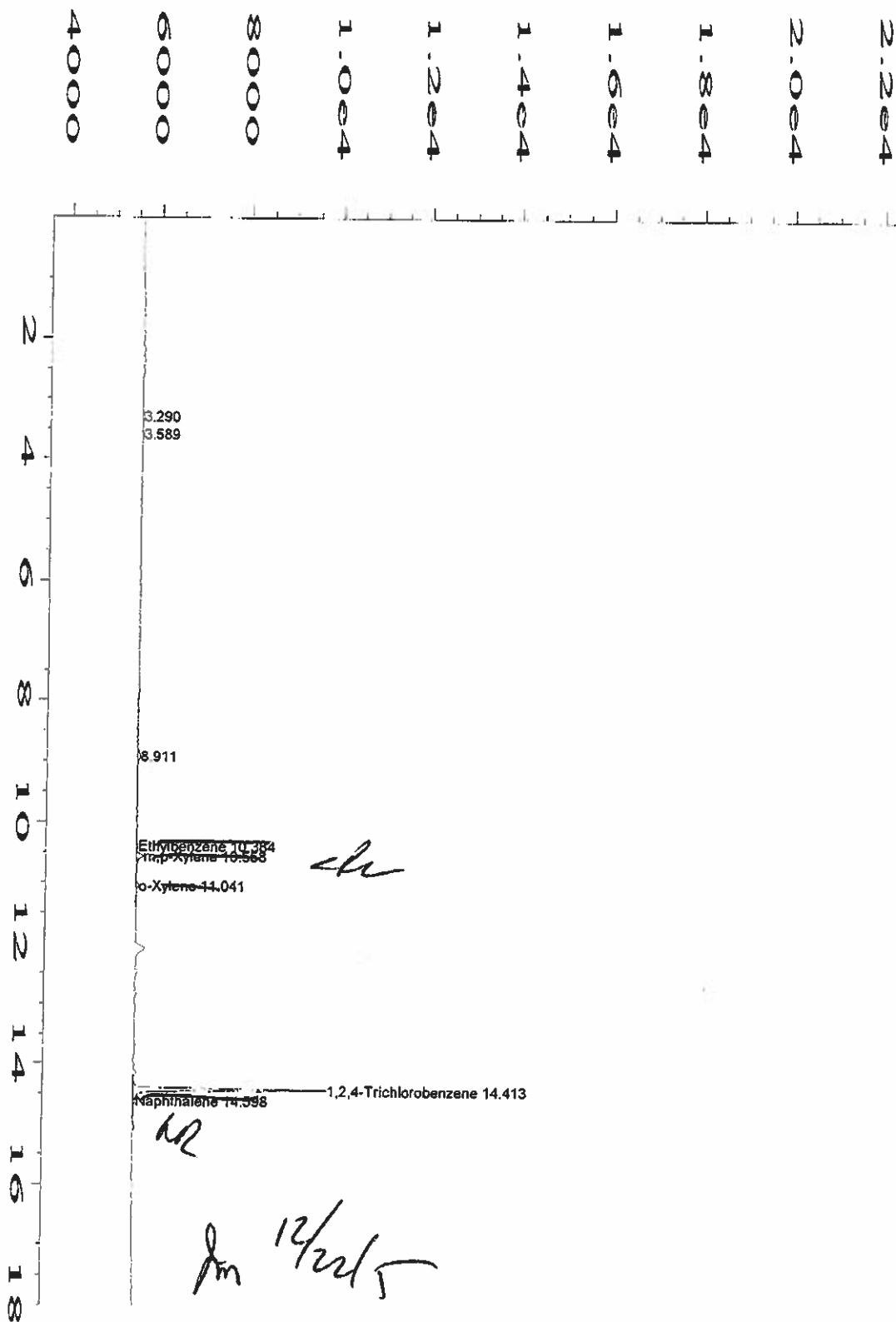

 Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
 E - Extrapolated value. Value exceeds calibration range
 H - Sample exceeded analytical holding time
 J - Indicates an estimated value when the compound is detected, but is below the LQL
 S - Spike Recovery outside accepted limits
 U - Compound analyzed for but not detected
 X - See case narrative
 * - Value exceeded the Maximum Contamination Level (MCL)

Definitions: LQL - Lower Quantitation Limit
 Surr - Surrogate

Print Date: 12/22/05



Data File Name	: C:\HPCHEM\1\DATA\TVB41221\029R0101.D	Page Number	: 1
Operator	: T.Ivancich	Vial Number	: 29
Instrument	: TVHBTEX4	Injection Number	: 1
Sample Name	: 05-9403-01A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: TS40519F.MTH
Acquired on	: 22 Dec 05 12:29 PM	Analysis Method	: BS41219.MTH
Report Created on:	22 Dec 05 12:48 PM	Sample Amount	: 0
Last Recalib on	: 20 DEC 05 01:58 PM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=1		

Evergreen Analytical, Inc.

Date: 22-Dec-05

Work Order: 05-9403

Client Project ID: KMG

ANALYTICAL QC SUMMARY REPORT

BatchID: R21423

Sample ID: AB4122105	SampType: MBLK	TestCode: 8021_A	Run ID: TVHBTEX4_051221A	Prep Date: 12/21/05	Units: µg/L						
Batch ID: R21423	TestNo: SW8021B	FileID: TVB41221009R		Analysis Date: 12/21/05	SeqNo: 393583						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl-t-butyl ether	0	5.0									
Benzene	0	1.0									
Toluene	0	2.0									
Ethylbenzene	0	2.0									
m,p-Xylene	0	2.0									
o-Xylene	0	2.0									
Surr: 1,2,4-Trichlorobenzene (S)	128.6	0	100	0	129	44	147	0	0		

Sample ID: LCS4122105	SampType: LCS	TestCode: 8021_W	Run ID: TVHBTEX4_051221A	Prep Date: 12/21/05	Units: µg/L						
Batch ID: R21423	TestNo: SW8021B	FileID: TVB41221010R	Analysis Date: 12/21/05	SeqNo: 393584							
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl-t-butyl ether	56.28	4.0	51.2	0	110	70	130	0	0		
Benzene	24.91	1.0	32.8	0	75.9	70	130	0	0		
Toluene	178	2.0	165.6	0	108	70	130	0	0		
Ethylbenzene	38.23	2.0	38.8	0	98.5	70	138	0	0		
m,p-Xylene	145.1	2.0	136	0	107	70	130	0	0		
o-Xylene	59.64	2.0	54.8	0	109	70	137	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	150.9	0	100	0	151	44	166	0	0		

Sample ID: LCSD4122105	SampType: LCSD	TestCode: 8021_W	Run ID: TVHBTEX4_051221A	Prep Date: 12/21/05	Units: µg/L						
Batch ID: R21423	TestNo: SW8021B	FileID: TVB41221011R		Analysis Date: 12/21/05	SeqNo: 393585						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl-t-butyl ether	54.95	4.0	51.2	0	107	70	130	56.28	2.40	30	
Benzene	24.75	1.0	32.8	0	75.4	70	130	24.91	0.853	30	
Toluene	177.1	2.0	165.6	0	107	70	130	178	0.525	30	
Ethylbenzene	37.78	2.0	38.8	0	97.4	70	138	38.23	1.17	39	
m,p-Xylene	143.7	2.0	136	0	106	70	130	145.1	0.966	30	
o-Xylene	58.34	2.0	54.8	0	106	70	137	59.64	2.19	30	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

H - Sample exceeded analytical holding time

Print Date: 12/22/05

Work Order: 05-9403
Client Project ID: KMG

ANALYTICAL QC SUMMARY REPORT

BatchID: R21423

Sample ID: LCSD4122105	SampType: LCSD	TestCode: 8021_W	Run ID: TVHBTEX4_051221A	Prep Date: 12/21/05	Units: µg/L
Batch ID: R21423	TestNo: SW8021B	FileID: TVB41221011R	Analysis Date: 12/21/05	SeqNo: 393585	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Surr: 1,2,4-Trichlorobenzene (S)	145.7	0	100	0	146 44 166 0 0 0 0

Sample ID: 05-9374-01AMS	SampType: MS	TestCode: 8021_W	Run ID: TVHBTEX4_051221A	Prep Date: 12/21/05	Units: µg/L
Batch ID: R21423	TestNo: SW8021B	FileID: TVB41221022R	Analysis Date: 12/22/05	SeqNo: 393650	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methyl-t-butyl ether	50.32	4.0	51.2	0	98.3 70 130 0 0
Benzene	24.21	1.0	32.8	0	73.8 70 132 0 0
Toluene	173.3	2.0	165.6	0	105 70 130 0 0
Ethylbenzene	36.67	2.0	38.8	0	94.5 70 145 0 0
m,p-Xylene	138.7	2.0	136	0	102 70 130 0 0
o-Xylene	57.39	2.0	54.8	0	105 70 144 0 0
Surr: 1,2,4-Trichlorobenzene (S)	143.2	0	100	0	143 44 166 0 0

Sample ID: 05-9374-01AMSD	SampType: MSD	TestCode: 8021_W	Run ID: TVHBTEX4_051221A	Prep Date: 12/21/05	Units: µg/L
Batch ID: R21423	TestNo: SW8021B	FileID: TVB41221023R	Analysis Date: 12/22/05	SeqNo: 393651	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methyl-t-butyl ether	52.39	4.0	51.2	0	102 70 130 50.32 4.03 30
Benzene	24.4	1.0	32.8	0	74.4 70 132 24.21 0.769 30
Toluene	171.5	2.0	165.6	0	104 70 130 173.3 1.06 30
Ethylbenzene	36.18	2.0	38.8	0	93.2 70 145 36.67 1.35 30
m,p-Xylene	136.9	2.0	136	0	101 70 130 138.7 1.32 30
o-Xylene	56.91	2.0	54.8	0	104 70 144 57.39 0.843 30
Surr: 1,2,4-Trichlorobenzene (S)	142.9	0	100	0	143 44 166 0 0

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Print Date: 12/22/05

Evergreen Analytical, Inc.

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

Client Sample ID: Gould New Well
Client Project ID: KMG
Date Collected: 12/21/05
Date Received: 12/21/05

Lab Work Order: 05-9403
Lab Sample ID: 05-9403-01
Sample Matrix: Groundwater

DISSOLVED METALS

Method: SW6020

Prep Method: SW6020

Date Prepared: 12/22/05
Date Analyzed: 12/22/05

Lab File ID: 051222A.B\058SMPL.D
Method Blank: MB-8917

Dilution Factor: 1
Lab Fraction ID: 05-9403-01C

Analytes	CAS Number	Result	LQL	Units
Calcium	7440-70-2	92	0.40	mg/L
Magnesium	7439-95-4	43	0.030	mg/L
Potassium	7440-09-7	4.4	0.13	mg/L
Sodium	7440-23-5	120	0.50	mg/L

TOTAL METALS

Method: SW6020

Prep Method: SW6020

Date Prepared: 12/22/05
Date Analyzed: 12/22/05

Lab File ID: 051222A.B\057SMPL.D
Method Blank: MB-8917

Dilution Factor: 1
Lab Fraction ID: 05-9403-01B

Analytes	CAS Number	Result	LQL	Units
Arsenic	7440-38-2	U	0.0020	mg/L
Cadmium	7440-43-9	U	0.0010	mg/L
Chromium	7440-47-3	U	0.0050	mg/L
Iron	7439-89-6	0.73	0.20	mg/L
Lead	7439-92-1	U	0.010	mg/L
Manganese	7439-96-5	U	0.010	mg/L
Selenium	7782-49-2	0.0089	0.0050	mg/L

TOTAL HARDNESS (CALC)

Method: SM 2340B

Prep Method:

Date Prepared: 12/22/05
Date Analyzed: 12/22/05

Dilution Factor: 1
Lab Fraction ID: 05-9403-01C

Analytes	CAS Number	Result	LQL	Units
Total Hardness as CaCO ₃ /L	471-34-1	410	1.2	mg/L CaCO ₃

MB
Analyst

WJH
Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Sample exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* - Value exceeded the Maximum Contamination Level (MCL)

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 12/23/05

Evergreen Analytical, Inc.

Date: 23-Dec-05

Work Order: 05-9403

Client Project ID: KMG

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_WT

Sample ID: MB-8917	SampType: MBLK	TestCode: 6020_WT	Run ID: ICPMS_051222A	Prep Date: 12/22/05	Units: mg/L						
Batch ID: 8917		TestNo: SW6020	FileID: 051222A.B1045SMPL.D	Analysis Date: 12/22/05	SeqNo: 393837						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	U	0.0020									
Cadmium	U	0.0010									
Calcium	U	0.40									
Chromium	U	0.0050									
Iron	U	0.20									
Lead	U	0.010									
Magnesium	U	0.030									
Manganese	U	0.010									
Potassium	U	0.13									
Selenium	U	0.0050									
Sodium	U	0.50									

Sample ID: LCS-8917	SampType: LCS	TestCode: 6020_WT	Run ID: ICPMS_051222A	Prep Date: 12/22/05	Units: mg/L						
Batch ID: 8917		TestNo: SW6020	FileID: 051222A.B1046SMPL.D	Analysis Date: 12/22/05	SeqNo: 393838						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.2667	0.0020	0.3	0	88.9	80	110	0	0		
Cadmium	0.02586	0.0010	0.03	0	86.2	79	115	0	0		
Calcium	2.53	0.40	3	0	84.3	77	116	0	0		
Chromium	0.2723	0.0050	0.3	0	90.8	77.7	113	0	0		
Iron	2.804	0.20	3	0	93.5	86.4	116	0	0		
Lead	0.054	0.010	0.06	0	90	83	112	0	0		
Magnesium	2.949	0.030	3	0	98.3	83.2	123	0	0		
Manganese	0.5415	0.010	0.6	0	90.3	85	112	0	0		
Potassium	2.705	0.13	3	0	90.2	79.9	115	0	0		
Selenium	0.05065	0.0050	0.06	0	84.4	79	122	0	0		
Sodium	2.791	0.50	3	0	93	77.9	122	0	0		

Qualifiers:

ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 H - Sample exceeded analytical holding time

Print Date: 12/23/05

Evergreen Analytical, Inc.

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

Client Sample ID: Gould New Well
Client Project ID: KMG
Date Collected: 12/21/05 1300
Date Received: 12/21/05

Lab Work Order: 05-9403
Lab Sample ID: 05-9403-01
Sample Matrix: Groundwater

ALKALINITY

Method: SM2320B

Prep Method:

Date Prepared: 12/22/05
Date Analyzed: 12/22/05

Lab File ID: 46
Method Blank: MBLK

Dilution Factor: 1
Lab Fraction ID: 05-9403-01D

Analytes	CAS Number	Result	LQL	Units
Total Alkalinity		291	5.0	mg/L CaCO3

SPECIFIC CONDUCTANCE @ 25°C

Method: SM2510 B

Prep Method:

Date Prepared: 12/27/05
Date Analyzed: 12/27/05

Lab File ID: 37

Dilution Factor: 1
Lab Fraction ID: 05-9403-01E

Analytes	CAS Number	Result	LQL	Units
Specific Conductance		1250	1.00	µmhos/cm

FLUORIDE

Method: SM 4500-F C

Prep Method:

Date Prepared: 12/27/05
Date Analyzed: 12/27/05

Lab File ID: 55
Method Blank: MBLK

Dilution Factor: 1
Lab Fraction ID: 05-9403-01E

Analytes	CAS Number	Result	LQL	Units
Fluoride	16984-48-8	1.0	0.40	mg/L

PH

Method: E150.1

Prep Method:

Date Prepared: 12/22/05
Date Analyzed: 12/22/05 0000

Dilution Factor: 1
Lab Fraction ID: 05-9403-01E

Analytes	CAS Number	Result	LQL	Units
pH		7.25	1.00	pH Units

R.P. Morris

Analyst

[Signature]

Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Sample exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* - Value exceeded the Maximum Contamination Level (MCL)

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 12/27/05

Evergreen Analytical, Inc.

Date: 27-Dec-05

Work Order: 05-9403

Client Project ID: KMG

ANALYTICAL QC SUMMARY REPORT

TestCode: ALK_WGRP

Sample ID: MBLK		SampleType: MBLK		TestCode: ALK_WGRP		Run ID: ALK_051222B		Prep Date: 12/22/05		Units: mg/L CaCO3	
Batch ID: R21430		Batch ID: R21430		TestNo: SM2320B		FileID: 1		Analysis Date: 12/22/05		SeqNo: 393627	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Alkalinity	U	5.0									
Bicarbonate	U	5.0									
Carbonate	U	5.0									
Hydroxide	U	5.0									

Sample ID: LCS		SampleType: LCS		TestCode: ALK_WGRP		Run ID: ALK_051222B		Prep Date: 12/22/05		Units: mg/L CaCO3	
Batch ID: R21430		Batch ID: R21430		TestNo: SM2320B		FileID: 2		Analysis Date: 12/22/05		SeqNo: 393628	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Alkalinity	106.3	5.0	109	0.6375	97.5	90	110	0	0	0	

Qualifiers:

ND - Not Detected at the Reporting Limit
 J - Analytic detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
 B - Analytic detected in the associated Method Blank
 H - Sample exceeded analytical holding time

Print Date: 12/27/05

Work Order: 05-9403

Client Project ID: KMG

ANALYTICAL QC SUMMARY REPORT

TestCode: COND_W

Sample ID: LCS											
SampleType: LCS		TestCode: COND_W		Run ID: ANALYTICAL BALANCE_051227A		Prep Date: 12/27/05		Units: μ mhos/cm			
Batch ID: R21479		TestNo: SM2510 B		FileID: 29		Analysis Date: 12/27/05		SeqNo: 394350			
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductance	100.4	1.00	100.2	0	100	90	110	0	0	0	

Qualifiers:

ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 H - Sample exceeded analytical holding time

Print Date: 12/27/05

Work Order: 05-9403
Client Project ID: KMG

ANALYTICAL QC SUMMARY REPORT

TestCode: F W

Sample ID: MBLK	SampleType: MBLK	TestCode: F_W	Run ID: F_051227A	Prep Date: 12/27/05	Units: mg/L
Batch ID: R21485	Batch ID: R21485	TestNo: SM 4500-F C	FileID: 53	Analysis Date: 12/27/05	SeqNo: 394418
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC
Fluoride	U	0.40			
				RPD Ref Val	%RPD
				HighLimit	RPDLimit
				LowLimit	Qual

Sample ID: LCS	SampleType: LCS	TestCode: F_W	Run ID: F_051227A	Prep Date: 12/27/05	Units: mg/L
Batch ID: R21485	Batch ID: R21485	TestNo: SM 4500-F C	FileID: 54	Analysis Date: 12/27/05	SeqNo: 394419
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC
Fluoride	10.01	0.40	10.1	0	99.1
				RPD Ref Val	%RPD
				HighLimit	RPDLimit
				LowLimit	Qual

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Print Date: 12/27/05

ANALYTICAL QC SUMMARY REPORT

TestCode: PH_W

Sample ID: LCS-R21435	SampType: LCS	TestCode: PH_W	Run ID: PH_051222A	Prep Date: 12/22/05	Units: pH Units
Batch ID: R21435		TestNo: E150.1	FileID:	Analysis Date: 12/22/05	SeqNo: 393686
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC
	7.98	1.00	8	0	99.8
					%RPD
				HighLimit	RPD Ref Val
				LowLimit	RPDLimit
				100.5	Qual
pH				0	0

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Print Date: 12/27/05

Evergreen Analytical, Inc.

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

Client Sample ID: Gould New Well
Client Project ID: KMG
Date Collected: 12/21/05 1300
Date Received: 12/21/05

Lab Work Order: 05-9403
Lab Sample ID: 05-9403-01
Sample Matrix: Groundwater

HYDROGEN SULFIDE

Method: SM 4500-S F

Prep Method:

Date Prepared: 12/23/05
Date Analyzed: 12/23/05

Lab File ID: 26
Method Blank: MBLK

Dilution Factor: 1
Lab Fraction ID: 05-9403-01H

Analytes	CAS Number	Result	LQL	Units
Hydrogen Sulfide		U	0.50	mg/L

TOTAL DISSOLVED SOLIDS (TDS)

Method: SM 2540C

Prep Method:

Date Prepared: 12/22/05
Date Analyzed: 12/23/05 0000

Lab File ID: 17
Method Blank: MBLK

Dilution Factor: 1
Lab Fraction ID: 05-9403-01F

Analytes	CAS Number	Result	LQL	Units
Total Dissolved Solids		921	10.0	mg/L


Analyst


Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Sample exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* - Value exceeded the Maximum Contamination Level (MCL)

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 12/27/05

Work Order: 05-9403

Client Project ID: KMG

ANALYTICAL QC SUMMARY REPORT

TestCode: SULF_H2S

Sample ID: MBLK	SampType: MBLK	TestCode: SULF_H2S	Run ID: REACT_051223A	Prep Date: 12/23/05	Units: mg/L
Batch ID: R21466	Batch ID: R21466	TestNo: SM 4500-S F	FileID: 13	Analysis Date: 12/23/05	SeqNo: 394132
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC
Hydrogen Sulfide	U	0.50			
			LowLimit	HighLimit	RPD Ref Val
					%RPD
					RPDLimit
					Qual

Sample ID: LCS	SampType: LCS	TestCode: SULF_H2S	Run ID: REACT_051223A	Prep Date: 12/23/05	Units: mg/L
Batch ID: R21466	Batch ID: R21466	TestNo: SM 4500-S F	FileID: 14	Analysis Date: 12/23/05	SeqNo: 394133
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC
Hydrogen Sulfide	2.2	0.50	2.28	0	96.5
			LowLimit	HighLimit	RPD Ref Val
					%RPD
					RPDLimit
					Qual

Qualifiers:

ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 H - Sample exceeded analytical holding time

Print Date: 12/27/05

Work Order: 05-9403
Client Project ID: KMG

ANALYTICAL QC SUMMARY REPORT

TestCode: TDS_W

Sample ID: MBLK	SampType: MBLK	TestCode: TDS_W	Run ID: ANALYTICAL BALANCE_051222B	Prep Date: 12/22/05	Units: mg/L
	Batch ID: R21469	TestNo: SM 2540C	FileID: 1	Analysis Date: 12/23/05	SeqNo: 394173
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC
Total Dissolved Solids	U	10.0		RPD Ref Val	%RPD
				HighLimit	RPDLimit
					Qual

Sample ID: LCS	SampType: LCS	TestCode: TDS_W	Run ID: ANALYTICAL BALANCE_051222B	Prep Date: 12/22/05	Units: mg/L
	Batch ID: R21469	TestNo: SM 2540C	FileID: 2	Analysis Date: 12/23/05	SeqNo: 394174
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC
Total Dissolved Solids	414	10.0	400	0	103
				0	110
				0	0

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Print Date: 12/27/05

Evergreen Analytical, Inc.
 4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
 (303) 425-6021

Client Project ID KMG

 Lab Order: 05-9403
 Units: mg/L

RSKSOP-175M Headspace

Methane

Method: RSKSOP175M

Prep Method: RSKSOP175M

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
05-9403-01G	Gould New Well	Groundwater	12/21/05	12/21/05	12/22/05	12/22/05	U	0.00080	1

Comments:



Analyst



Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL.

H - Sample exceeded analytical holding time

U - Compound analyzed for but not detected

X - See case narrative

Definitions: DF - Dilution Factor

LQL - Lower Quantitation Limit

Print Date: 12/22/05

Evergreen Analytical, Inc.

Date: 22-Dec-05

Work Order: 05-9403

Client Project ID: KMG

ANALYTICAL QC SUMMARY REPORT

TestCode: MEEP_W

Sample ID: GB122205	SampType: MBLK	TestCode: MEEP_W	Run ID: FID4_051222A	Prep Date: 12/22/05	Units: mg/L						
	Batch ID: GAS1222	TestNo: RSKSOP175	FileID: GAS1222003	Analysis Date: 12/22/05	SeqNo: 393739						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	U	0.00080									

Sample ID: LCS122205		SampType: LCS	TestCode: MEEP_W	Run ID: FID4_061222A	Prep Date: 12/22/05	Units: mg/L					
Batch ID: GAS1222		TestNo: RSKSOP175	FileID: GAS1222004		Analysis Date: 12/22/05	SeqNo: 393740					
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.6033	0.0080	0.5094	0	118	61	133	0	0		

Sample ID: LCSD122205		SampType: LCSD	TestCode: MEEP_W	Run ID: FID4_051222A	Prep Date: 12/22/05	Units: mg/L					
Batch ID: GAS1222		TestNo: RSKSOP175	FileID: GAS1222005	Analysis Date: 12/22/05	SeqNo: 393741						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.5707	0.0080	0.5094	0	112	61	133	0.6033	5.56	30	

Sample ID: 05-3373-01FMS	SampType: MS	TestCode: MEEP_W	Run ID: FID4_051222A	Prep Date: 12/22/05	Units: mg/L						
	Batch ID: GAS1222	TestNo: RSKSOP175	FileID: GAS1222024	Analysis Date: 12/22/05	SeqNo: 393728						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.536	0.0080	0.5094	0.00111	105	61	133	0	0		

Sample ID: 05-9373-01FMSD	SampType: MSD	TestCode: MEEP_W	Run ID: FID4_051222A	Prep Date: 12/22/05	Units: mg/L						
	Batch ID: GAS1222	TestNo: RSKSOP175	FileID: GAS1222025	Analysis Date: 12/22/05	SeqNo: 393729						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.5463	0.0080	0.5094	0.00111	107	61	133	0.536	1.91	30	

Qualifiers:

ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 H - Sample exceeded analytical holding time

Print Date: 12/22/05

Evergreen Analytical, Inc.

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

Client Sample ID: Gould New Well
Client Project ID: KMG
Date Collected: 12/21/05 1300
Date Received: 12/21/05

Lab Work Order 05-9403
Lab Sample ID: 05-9403-01
Sample Matrix: Groundwater

ANIONS BY IC

Method: E300

Prep Method:

Date Prepared: 12/22/05

Dilution Factor: 1

Date Analyzed: 12/22/05 1108

Method Blank: METHOD BLANK

Lab Fraction ID: 05-9403-011

Analytes	CAS Number	Result	LQL	Units
Chloride	7647-14-5	61.9	0.50	mg/L
Nitrite-N		U	0.076	mg/L

Date Prepared: 12/22/05

Dilution Factor: 5

Date Analyzed: 12/22/05 1253

Method Blank: METHOD BLANK

Lab Fraction ID: 05-9403-011

Analytes	CAS Number	Result	LQL	Units
Nitrate-N		8.26	0.28	mg/L
Sulfate	7778-80-2	297	2.5	mg/L



Analyst



Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Sample exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* - Value exceeded the Maximum Contamination Level (MCL)

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 12/22/05

Evergreen Analytical, Inc.

Date: 22-Dec-05

Work Order: 05-9403

Client Project ID: KMG

ANALYTICAL QC SUMMARY REPORT

TestCode: ANIONS_W

Sample ID: METHOD BLANK	SampleType: MBLK	Batch ID: R21443	TestCode: ANIONS_W	Run ID: IC-DX120_051222A	FileID:	Prep Date: 12/22/05	Analysis Date: 12/22/05	Units: mg/L			
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	U	0.50									
Nitrite-N	U	0.076									
Nitrate-N	U	0.058									
Sulfate	U	0.50									

Sample ID: LCS	SampleType: LCS	TestCode: ANIONS_W	Run ID: IC-DX120_051222A	Prep Date: 12/22/05	Units: mg/L						
Batch ID: R21443	TestNo: E300	FileID:	Analysis Date: 12/22/05	SeqNo: 333807							
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.17	1.0	20	0	90.9	90	110	0	0	0	
Nitrite-N	6.093	0.15	6.09	0	100	90	110	0	0	0	
Nitrate-N	4.423	0.11	4.518	0	97.9	90	110	0	0	0	
Sulfate	29.24	1.0	30	0	97.5	90	110	0	0	0	

Qualifiers:

ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantification limits
 S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 H - Sample exceeded analytical holding time

Print Date: 12/22/05

Evergreen Analytical Laboratory

4036 Youngfield Street
Wheat Ridge, CO 80033-3862

(303) 425-6021
FAX (303) 425-6854

INVOICE 05120685

Invoice Date: December 29, 2005

Invoice To: LT Environmental
4400 West 46th Avenue
Denver, CO 80212

Attn: Maureen Anderson
Phone: (303) 433-9788

MAIL PAYMENTS TO:
Evergreen Analytical Laboratory
Dept. 1819
Denver, CO 80291-1819

Client Project ID: KMG
Date Samples Received: 12/21/05

Agmt No:
PO Number:

Work Order: 05-9403
QuoteID: 6528

Item	Matrix	Qty	Unit Price	Unit Surcharge	Total Unit Price	Extended Price
150.1: pH	Groundwater	1	\$10.00	50%	\$15.00	\$15.00
300.0: Anions by IC	Groundwater	1	\$80.00	50%	\$120.00	\$120.00
6020 Metals, Dissolved, Aqueous	Groundwater	1	\$72.00	0%	\$72.00	\$72.00
6020 Metals, Total, Aqueous	Groundwater	1	\$96.00	50%	\$144.00	\$144.00
Alkalinity	Groundwater	1	\$25.00	50%	\$37.50	\$37.50
BTEX+MTBE Aqueous	Groundwater	1	\$65.00	0%	\$65.00	\$65.00
Fluoride	Groundwater	1	\$20.00	50%	\$30.00	\$30.00
Hydrogen Sulfide	Groundwater	1	\$50.00	50%	\$75.00	\$75.00
RSK175: MEEP Gases Aqueous	Groundwater	1	\$180.00	50%	\$270.00	\$270.00
Specific Conductance @ 25°C	Groundwater	1	\$20.00	50%	\$30.00	\$30.00
Total Dissolved Solids (TDS)	Groundwater	1	\$25.00	50%	\$37.50	\$37.50
Total Hardness (calc)	Groundwater	1	\$12.00	50%	\$18.00	\$18.00

Sub total: \$914.00
Surcharge: 0.00%
Discount: 0.00%
Misc: \$0.00

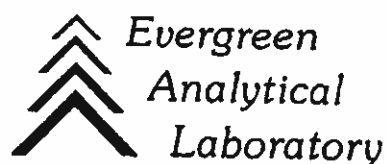
Invoice Total \$914.00

Prepayment: \$0.00

Balance Due: \$914.00

Comments:

FEIN	84-0906043	WE ARE AN EQUAL OPPORTUNITY EMPLOYER
TERMS	NET 30 Days. A 1.5% service charge will be added to all past due accounts. THANK YOU FOR YOUR BUSINESS	



December 28, 2005

John Cocroft
LT Environmental
4400 West 46th Avenue
Denver, CO 80212

Lab Work Order: 05-9403
Client Project ID: KMG

Dear John Cocroft:

Enclosed are the analytical results and invoice for the samples shown in the Laboratory Work Order Summary.


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
Technical Director of Chemical Analysis