

SCIENTIFIC LABORATORY DIVISION

P.O Box 4700

700 Camino de Salud, NE

Albuquerque, NM 87196-4700

(505)-841-2500

AIR & HEAVY METALS SECTION

(505)-841-2553

SAMPLE COLLECTION: DATE: 1/7/2008

TIME: 18:00

SLD No.: **HM-200800067**

MATRIX: wpn

BY: DOBKINS

REQUEST ID No.: 2408601

FACILITY: GILA

RECEIVED AT SLD: 1/14/2008

SAMPLING LOCATION: 1

USER: 55321

SUBMITTER:

WSS #:

To: Other

Phil Harrigan

3082 32nd St. Bypass, Suite D

Silver City, NM 88061

DISTRIBUTION TO:

User

Other

SLD

Practical Quantitation Limit (PQL) is defined as 10 times the Method Detection Limit (MDL)

ANALYTICAL RESULTS

Element	Result	Units	Analysis Date	Method	PQL	Dilution Factor	Sample Det. Limit.	Analyst	Data Qualifier
Aluminum	0.7	mg/L	01/22/08	200.7	0.1	1	0.1	cjl	
Antimony	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Arsenic	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Barium	<0.1	mg/L	01/16/08	200.8	0.1	1	0.1	jfa	
Beryllium	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Boron	<0.1	mg/L	01/22/08	200.7	0.1	1	0.1	cjl	
Cadmium	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Chromium	0.004	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	A
Cobalt	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Copper	<0.01	mg/L	01/16/08	200.8	0.01	1	0.01	jfa	
Lead	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Manganese	0.030	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Mercury	<0.0002	mg/L	01/16/08	245.1	0.0002	1	0.0002	mmw	
Molybdenum	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Nickel	<0.01	mg/L	01/16/08	200.8	0.01	1	0.01	jfa	
Selenium	<0.005	mg/L	01/18/08	270.2	0.005	1	0.005	cjl	C
Silver	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Thallium	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Uranium	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Vanadium	0.002	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Zinc	0.24	mg/L	01/16/08	200.8	0.01	1	0.01	jfa	

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 AIR & HEAVY METALS SECTION

700 Camino de Salud, NE
 (505)-841-2500
 (505)-841-2553

SAMPLE COLLECTION: DATE: 1/11/2008 TIME: 15:30
 MATRIX: wpn BY: HARRIGAN
 FACILITY: TYRONE
 SAMPLING LOCATION: 2

SLD No.: **HM-200800068**

REQUEST ID No.: 2408602
 RECEIVED AT SLD: 1/14/2008
 USER: 55321
 SUBMITTER:
 WSS #:

To: Other

Phil Harrigan
 3082 32nd St. Bypass, Suite D
 Silver City, NM 88061

DISTRIBUTION TO:

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 Other
 SLD

Practical Quantitation Limit (PQL) is defined as 10 times the Method Detection Limit (MDL)

ANALYTICAL RESULTS

Element	Result	Units	Analysis Date	Method	PQL	Dilution Factor	Sample Det. Limit.	Analyst	Data Qualifier
Aluminum	5.9	mg/L	01/22/08	200.7	0.1	1	0.1	cjl	
Antimony	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Arsenic	0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Barium	<0.1	mg/L	01/16/08	200.8	0.1	1	0.1	jfa	
Beryllium	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Boron	<0.1	mg/L	01/22/08	200.7	0.1	1	0.1	cjl	
Cadmium	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Chromium	0.006	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	A
Cobalt	0.002	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Copper	0.02	mg/L	01/16/08	200.8	0.01	1	0.01	jfa	
Lead	0.004	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Manganese	0.1	mg/L	01/22/08	200.7	0.05	1	0.05	cjl	
Mercury	<0.0002	mg/L	01/16/08	245.1	0.0002	1	0.0002	mmw	
Molybdenum	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Nickel	<0.01	mg/L	01/16/08	200.8	0.01	1	0.01	jfa	
Selenium	<0.005	mg/L	01/18/08	270.2	0.005	1	0.005	cjl	C
Silver	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Thallium	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Uranium	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Vanadium	0.007	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Zinc	0.10	mg/L	01/16/08	200.8	0.01	1	0.01	jfa	

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 Albuquerque, NM 87196-4700
 AIR & HEAVY METALS SECTION

700 Camino de Salud, NE
 (505)-841-2500
 (505)-841-2553

SAMPLE COLLECTION: DATE: 1/11/2008 TIME: 15:30
 MATRIX: wpn BY: HARRIGAN
 FACILITY: TYRONE
 SAMPLING LOCATION: 3

SLD No.: **HM-200800069**

REQUEST ID No.: 2408603
 RECEIVED AT SLD: 1/14/2008
 USER: 55321
 SUBMITTER:
 WSS #:

To: Other

Phil Harrigan
 3082 32nd St. Bypass, Suite D
 Silver City, NM 88061

DISTRIBUTION TO:

User
 Other
 SLD

Practical Quantitation Limit (PQL) is defined as 10 times the Method Detection Limit (MDL)

ANALYTICAL RESULTS

Element	Result	Units	Analysis Date	Method	PQL	Dilution Factor	Sample Det. Limit.	Analyst	Data Qualifier
Aluminum	0.02	mg/L	01/16/08	200.8	0.01	1	0.01	jfa	A
Antimony	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Arsenic	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Barium	<0.1	mg/L	01/16/08	200.8	0.1	1	0.1	jfa	
Beryllium	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Boron	<0.1	mg/L	01/22/08	200.7	0.1	1	0.1	cjl	
Cadmium	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Chromium	0.003	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	A
Cobalt	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Copper	<0.01	mg/L	01/16/08	200.8	0.01	1	0.01	jfa	
Lead	0.002	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Manganese	0.024	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Mercury	<0.0002	mg/L	01/16/08	245.1	0.0002	1	0.0002	mmw	
Molybdenum	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Nickel	<0.01	mg/L	01/16/08	200.8	0.01	1	0.01	jfa	
Selenium	<0.005	mg/L	01/18/08	270.2	0.005	1	0.005	cjl	C H
Silver	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Thallium	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Uranium	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Vanadium	<0.001	mg/L	01/16/08	200.8	0.001	1	0.001	jfa	
Zinc	0.06	mg/L	01/16/08	200.8	0.01	1	0.01	jfa	



WATER CHEMISTRY SECTION (505) 841-2555

Sample Collection Date: 1/11/2008 Time: 15:30 By: HARRIGAN
 Sampling Location: 2
 Sample Type: wn

SLD No.: **WC-200800033**

Request ID No.:	2408599
Received at SLD:	1/14/2008
User:	55321
Subm:	999
WSS #:	0

This Copy of Report for:

Phil Harrigan, NMED
 3082 32nd St. Bypass; Suite D
 Silver City, NM 88061

Distribution to:

NMED GWQ Bureau Abatement and Assessment
 Unknown; but address given {S}

Water Chemistry Section - File Copy
 Other Report Request

ANALYTICAL RESULTS

Analyte	Result	Units	Analysis Date	EPA Method No.	Minimum Level	Dilution Factor	Sample Det. Limit	Analyst	Data Qualifier
Fluoride	0.16	mG/L	1/17/2008	SM 4500F-C	0.1	1	0.1	Frank Tabet	
Sodium	5.85	mG/L	1/16/2008	200.7	1	1	1	Chet Markham	
Hardness (Ca & Mg)	30.3	mG/L CaCO3	1/16/2008	200.7	6.6	1	6.6	Chet Markham	
Calcium	10.4	mG/L	1/16/2008	200.7	1	1	1	Chet Markham	
Magnesium	1.03	mG/L	1/16/2008	200.7	1	1	1	Chet Markham	
Alkalinity (CO3 & HCO3)	24.6	mG/L	1/15/2008	SM 2510 B	2.5	1	2.5	Frank Tabet	
Carbonate	0	mG/L	1/15/2008	SM 4500H+ B		1	0	Frank Tabet	
Potassium	<1	mG/L	1/16/2008	200.7	1	1	1	Chet Markham	
Chloride	<10	mG/L	1/23/2008	300.0	10	1	10	Chet Markham	
Ion Balance	27.2	% Dif.		SM1030F		1		Calculated	
Sulfate	<10	mG/L	1/23/2008	300.0	10	1	10	Chet Markham	
Color	450	C.U.	1/14/2008	110.2		18	0	Denise Skinner	
Conductivity	80	umohs	1/22/2007	SM 2510 B	1	1	1	Frank Tabet	
pH	7.3	pH Units	1/15/2008	SM 4500H+ B		1	0	Frank Tabet	
TDS	192	mG/L	1/14/2008	SM2540 C	10	1	10	Frank Tabet	
TSS	43	mG/L	1/14/2008	SM2540 D	3	1	3	Frank Tabet	
Bicarbonate	30	mG/L	1/15/2008	SM 4500H+ B	3	1	3	Frank Tabet	

Laboratory Comments:

Reviewed by Jeff Robb
 Supervisor, Water Chemistry Section

Date Printed: 24-Jan-08

Data Qualifier Codes and Definitions

A - See comments section below
 D - Spike recovery <80% or >120%
 F - Matrix interference suspected
 G - Inconsistent results, suggest re-sampling
 H - Sample analyzed in duplicate
 J - Estimated quantity only, analyte was detected at a level below which an accurate Quantitation can be given

K - Holding time exceeded at laboratory
 L - Result for this analyte equals or exceeds EPA MCL
 M - Result for this analyte equals or exceeds EPA action level
 N - Insufficient sample to verify results
 P - Sample rejected/ voided at laboratory
 Q - Sample submitted to laboratory past holding time
 V - External control value <80% or >120% of theoretical value
 W - Ion balance criteria exceeded
 X - Daily control value <80% or >120% of theoretical value



P.O. Box 4700
Albuquerque, NM 87196-4700

700 Camino de Salud, NE
(505) 841-2500



WATER CHEMISTRY SECTION (505) 841-2555

Sample Collection Date: 1/11/2008 Time: 15:30 By: HARRIGAN
Sampling Location: 3
Sample Type: wn

SLD No.: **WC-200800034**

Request ID No.:	2408600
Received at SLD:	1/14/2008
User:	55321
Subm:	999
WSS #:	0

This Copy of Report for:

Phil Harrigan, NMED
3082 32nd St. Bypass; Suite D
Silver City, NM 88061

Distribution to:

NMED GWQ Bureau Abatement and Assessment
Unknown; but address given {S}

Water Chemistry Section - File Copy
Other Report Request

ANALYTICAL RESULTS

Analyte	Result	Units	Analysis Date	EPA Method No.	Minimum Level	Dilution Factor	Sample Det. Limit	Analyst	Data Qualifier
Fluoride	<0.1	mG/L	1/17/2008	SM 4500F-C	0.1	1	0.1	Frank Tabet	
Sodium	<1	mG/L	1/16/2008	200.7	1	1	1	Chet Markham	
Hardness (Ca & Mg)	17.8	mG/L CaCO3	1/16/2008	200.7	6.6	1	6.6	Chet Markham	
Calcium	7.12	mG/L	1/16/2008	200.7	1	1	1	Chet Markham	
Magnesium	<1	mG/L	1/16/2008	200.7	1	1	1	Chet Markham	
Alkalinity (CO3 & HCO3)	10	mG/L	1/15/2008	SM 2510 B	2.5	1	2.5	Frank Tabet	
Carbonate	0	mG/L	1/15/2008	SM 4500H+ B		1	0	Frank Tabet	
Potassium	<1	mG/L	1/16/2008	200.7	1	1	1	Chet Markham	
Chloride	<10	mG/L	1/23/2008	300.0	10	1	10	Chet Markham	
Ion Balance	28	% Dif.		SM1030F		1		Calculated	
Sulfate	<10	mG/L	1/23/2008	300.0	10	1	10	Chet Markham	
Color	40	C.U.	1/14/2008	110.2		1	0	Denise Skinner	
Conductivity	44	umohs	1/22/2007	SM 2510 B	1	1	1	Frank Tabet	
pH	6.87	pH Units	1/15/2008	SM 4500H+ B		1	0	Frank Tabet	
TDS	86	mG/L	1/14/2008	SM2540 C	10	1	10	Frank Tabet	
TSS	7	mG/L	1/14/2008	SM2540 D	3	1	3	Frank Tabet	
Bicarbonate	12.2	mG/L	1/15/2008	SM 4500H+ B	3	1	3	Frank Tabet	

Laboratory Comments:

Reviewed by Jeff Robb
Supervisor, Water Chemistry Section

Date Printed: 24-Jan-08

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F - Matrix interference suspected
G - Inconsistent results, suggest re-sampling
H - Sample analyzed in duplicate
J - Estimated quantity only, analyte was detected at a level below which an accurate Quantitation can be given

K - Holding time exceeded at laboratory
L - Result for this analyte equals or exceeds EPA MCL
M - Result for this analyte equals or exceeds EPA action level
N - Insufficient sample to verify results
P - Sample rejected/ voided at laboratory
Q - Sample submitted to laboratory past holding time
V - External control value <80% or >120% of theoretical value
W - Ion balance criteria exceeded
X - Daily control value <80% or >120% of theoretical value