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PHASE II

ENVIRONMENTAL SITE ASSESSMENT

Vulture Mine
North of Vulture Mine Rd. and Vulture Ranch Rd.
Wickenburg, Arizona 85358



Prepared by:
EPSILON ENGINEERING CONSULTANTS, INC.
14423 W. McDowell Road, Suite 104
Goodyear, Arizona 85395

Prepared for:
Gold Nugget Roc, LLC
126 Center Street, Suite B6
Jupiter, Florida 33458

July 9, 2008

EEC Project No.: 08-E-1225E

EPSILON ENGINEERING CONSULTANTS, INC.
GEOTECHNICAL . ENVIRONMENTAL . MATERIALS AND ENGINEERING SOLUTIONS

July 9, 2008

Gold Nugget Roc, LLC
126 Center Street, Suite B6
Jupiter, Florida 33458

Attention: Mr. Craig O'Callaghan

Subject: Phase II Environmental Site Assessment
Vulture Mine
North of Vulture Mine Rd. and Vulture Ranch Road
Wickenburg, Arizona 85358
EEC Project: 08-E-1225E

Dear Mr. O'Callaghan:

Epsilon Engineering Consultants, Inc. is pleased to present the results of the Phase II Environmental Site Assessment for the above referenced site. Our services were conducted in accordance with ASTM Standard Guide E1903-97 and our proposal 08P151E returned from you on March 3, 2008.

Thank you for this opportunity to be of service. If you have any questions concerning our report, or if Epsilon Engineering Consultants, Inc. can be of additional service, please do not hesitate to contact us at (623) 932-9967.

Sincerely,

Epsilon Engineering Consultants, Inc.



Blake Kincannon
Environmental Associate

Jessica Harden, CEI
Environmental Manager

Mahdi Sadek, P.E.
Principal Engineer

Attachments:

- Appendix A: Boring Location Map
- Appendix B: Photos
- Appendix C: Laboratory Results

1.0 INTRODUCTION

Epsilon Engineering Consultants, Inc. (EEC) conducted a Phase II Environmental Site Assessment (ESA) on June 3, 2008 at the Vulture Mine located north of Vulture Mine Road and Vulture Ranch Road in Wickenburg, Arizona. Due to laboratory error, additional sampling was conducted on June 24, 2008. Our assessment included well sampling from the Vulture Extension and limited water and subsurface soil sampling from Leaching pond 1 and 2. This report contains a description of our site observations and field investigation activities, laboratory results, and our conclusions.

1.1 PROJECT BACKGROUND

EEC conducted our Phase I ESA between February 5th and 8th, 2008 and discovered evidence of recognized environmental conditions associated with the subject property. EEC observed recognized environmental conditions, including, but not limited to:

- ◆ A well was identified in the area of the Vulture Extension, near the landing strip on the east portion of the subject property. According to the caretaker of the property, the well had been out of service for approximately two to three years. A well report was received from the Arizona Department of Water Resources (ADWR), which identified no registered wells on the subject site.
- ◆ Two open-access leaching ponds have been maintained on the southwest portion of the subject site. Damage of the tarp lining of the ponds was observed, as well as vegetative growth within the standing water accumulating in the ponds.

Based on the above-mentioned information, it was the opinion of EEC that that the well be tested for possible water contamination and the leaching ponds should be tested for possible soil and water contamination.

1.2 PURPOSE AND SCOPE

The purpose of this Phase II ESA was to obtain information regarding the potential presence of environmental contaminants at the subject property with regard to the project information discussed above. Samples were tested for the following contaminants:

- TCLP metals (Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium and Silver)
- Cyanide
- pH
- Chlorides

Lab test results will allow us to determine the extent of contamination and the action that should be taken. The investigation consisted of soil sampling at four locations and water sampling at two locations on the subject property, selected by the Environmental Professional.

2.0 ASSESSMENT ACTIVITIES

2.1 SAMPLING

Field investigation and sampling activities were conducted by EEC on June 3rd, 2008. Due to laboratory error, additional samples were obtained on June 24th, 2008. A total of twenty water samples were collected from the subject property; eight from the well located on the east portion of the property and twelve from the leaching ponds on the west portion of the site. Four soil samples were collected, using a hand auger, from the sediment within the leaching ponds. Two samples were obtained for each pond. All samples were stored in designated containers provided by the testing laboratory and stored in a cooler of ice until delivery for analysis. Samples were relinquished with chain of custody documentation and tested for the previously mentioned compounds.

EEC sent four soil samples and twenty water samples to Test America Laboratory for analysis. The soil samples were collected at depths ranging from the surface to 1.5 feet, while water samples were collected from the surface of the leaching ponds and directly from the well in two timed intervals (Refer to Appendix A for boring and sample locations).

2.2 RESULTS

Samples were analyzed using EPA methods: 1311, H8167, M4500-H+, SW1311/6010B, SW1311/7470A, SW9010C/9014 and SW9045D. Samples registering above laboratory reporting limits are discussed below. It must be noted that laboratory reporting limits are used as a tool for laboratory analysis and does not reflect levels of contamination equal to or above the Arizona Department of Environmental Quality's Soil Remediation Levels. Results from Aerotech Environmental Laboratory (AEL) are as follows:

- ◆ Levels of Cyanide were detected above laboratory reporting limits and above the Arizona MCL of 0.2 mg/L at **Pond 1, Samples 1 and 2.**
- ◆ Levels of Lead were detected above laboratory reporting limits and the Arizona Residential SRL of 400 mg/kg for all soil samples collected from **Pond 1 and Pond 2.** In addition, soils from **Pond 2, Sample 2,** contained lead detected above the Arizona Non-Residential SRL of 2000 mg/kg.
- ◆ Arsenic was detected above laboratory reporting limits, but below the Arizona Residential SRL of 10 mg/kg for all soil sample locations. However, **Pond 2, Sample 2** had a value of 9.3 mg/kg, which is near the limit for residential use.
- ◆ Levels of pH were detected above the Secondary MCL limit of 6.5-8.5 for **Pond 1, Sample 1 and 2.**

See Table 1, 2.1 and 2.2 for laboratory results and Table 3 for ADEQ Soil Remediation Levels below.

Table 1: Well Sample Results				
Sample Location	Total Residual Chlorine (H8167)	pH (M4500-H+)	TCLP Metals (SW1131/6010B, SW1131/7470A*)	Cyanide (SM4500-CNE)
Well Sample 1	0.48 mg/l	7.47	ND	ND
Well Sample 2	0.28 mg/l	7.53	ND	ND

*SW1311/7470A Mercury Analysis
 ND: not detected above laboratory reporting limits
 NA: not analyzed

Table 2.1: Pond Sample Results (Water)				
Sample Location	Total Residual Chlorine (H8167)	pH (M4500-H+)	TCLP Metals (SW1131/6010B, SW1131/7470A*)	Cyanide (SM4500-CNE)
Pond 1 Sample 1	0.052 mg/l	8.70	Mercury: 0.0017 mg/l	0.68 mg/l
Pond 1 Sample 2	0.052 mg/l	8.71	Mercury: 0.0016 mg/l	0.90 mg/l
Pond 2 Sample 1	ND	7.86	ND	NA

Table 2.2: Pond Sample Results (Soil)				
Sample Location	Total Residual Chlorine (H8167)	pH (M4500-H+)	Total Metals (SW1131/6010B, SW1131/7470A*)	Cyanide (SM4500-CNE)
Pond 1 Sample 1	NA	8.05	Arsenic: 7.5 mg/kg Barium: 57 mg/kg Cadmium: 7.9 mg/kg Lead: 1100 mg/kg Mercury: 0.85 mg/kg Silver: 23 mg/kg	2.9 mg/kg
Pond 1 Sample 2	NA	8.50	Arsenic: 5.1 mg/kg Barium: 40 mg/kg Cadmium: 4.4 mg/kg Chromium: 2.1 mg/kg Lead: 550 mg/kg Mercury: 1.7 mg/kg Silver: 32 mg/kg	3.4 mg/kg (1 st sample) 1.9 mg/kg (2 nd sample)
Pond 2 Sample 1	NA	8.38	Arsenic: 6.1 mg/kg Barium: 46 mg/kg Cadmium: 6.1 mg/kg Lead: 1500 mg/kg Mercury: 0.52 mg/kg	ND
Pond 2 Sample 2	NA	8.22	Arsenic: 9.3 mg/kg Barium: 76 mg/kg Cadmium: 11 mg/kg Lead: 3300 mg/kg Mercury: 1.6 mg/kg Silver: 8.5 mg/kg	0.75 mg/kg

Table 3: Arizona MCL and SRL Limits			
Regulated Contaminant	MCL (Water; mg/l)	SRL (Soil; mg/kg)	
		Residential	Non-Residential
Arsenic	0.05	10	10
Barium	2	5300	110000
Cadmium	0.005	38	850
Chromium	0.1	2100	4500
Lead	0.015	400	2000
Silver	N/A	380	8500
Selenium	0.05	380	8500
Mercury	0.002	6.7	180
Cyanide	0.2	1300	14000
Chlorine	4.0	N/A	N/A
pH	6.5-8.5	N/A	N/A

3.0 CONCLUSIONS AND RECCOMENDATIONS

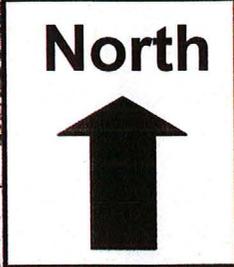
This Phase II ESA has revealed evidence of soil contamination in excess of acceptable limits within Ponds 1 and 2. Additionally, evidence of cyanide contamination of the water in Pond 1 was detected in excess of acceptable limits. It is the opinion of EEC the contaminated water within Pond 1 should be pumped into 55-gallon drums, sealed, and disposed of in an approved facility, in accordance with state and federal regulations. Levels of lead were detected above the ADEQ residential SRL in Pond 1 and Pond 2, with levels in Pond 2 also exceeding the ADEQ non-residential SRL. It is the opinion of EEC, upon removal of the contaminated water, the upper 2 feet of soil from Pond 1 and 2 should be removed, sealed in 55-gallon drums, and disposed of in an approved facility, in accordance with state and federal regulations. Upon the completion of removing and disposing the upper 2 feet of the soil within the areas of both ponds, additional sampling and testing of the soils beneath at the 2 feet depth should be collected to ensure the contaminated soils have been adequately removed.

4.0 LIMITATIONS AND EXCEPTIONS

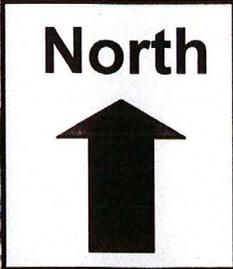
The findings, conclusions and recommendations made in this report are based on the sampling and analysis of the onsite soils. The information is relevant to the date of our site work and should not be relied on to represent conditions at any later date. The opinions and conclusions expressed herein are based on information obtained during our assessment and on our experience and current standards of technical practice. Epsilon Engineering Consultants, Inc. makes no other warranties, either expressed or implied, concerning the completeness of the data furnished to us. This report is not and should not be construed as a warranty or guarantee about the presence or absence of environmental hazards or contaminants that may affect the subject site. Facts, conditions, and acceptable risk factors change with time; accordingly, this report should be viewed within this context.

Appendix A

- P1S1 (Soil) ●
- P1S2 (Soil) ●
- P1S1 (Water) ●
- P1S2 (Water) ●
- P2S1 (Water) ○
- P2S1 (Soil) ●
- P2S2 (Soil) ○



<p>Vulture Mine Phase II N. Of Vulture Mine Rd. and Vulture Ranch Rd. Wickenburg, Arizona</p> <p>Epsilon Project #: 08-E-1248E</p>	<p>Boring Location Map</p>	<p>Epsilon 14423 W. McDowell Road Suite G-104 Goodyear, Arizona 85395</p>
	<p>Ponds</p>	



Well Location

<p>Vulture Mine Phase II N. Of Vulture Mine Rd. and Vulture Ranch Rd. Wickenburg, Arizona Epsilon Project #: 08-E-1248E</p>	<p>Boring Location Map</p>	<p>Epsilon 14423 W. McDowell Road Suite G-104 Goodyear, Arizona 85395</p>
	<p>Well</p>	

Appendix B



Photo 1: View of well located within the NWC of the Vulture Mine Extension.



Photo 2: View of Weber Group equipment used for well sampling.



Photo 3: View of water initially pumped from well.



Photo 4: View of EEC and Weber Group representatives collecting samples.

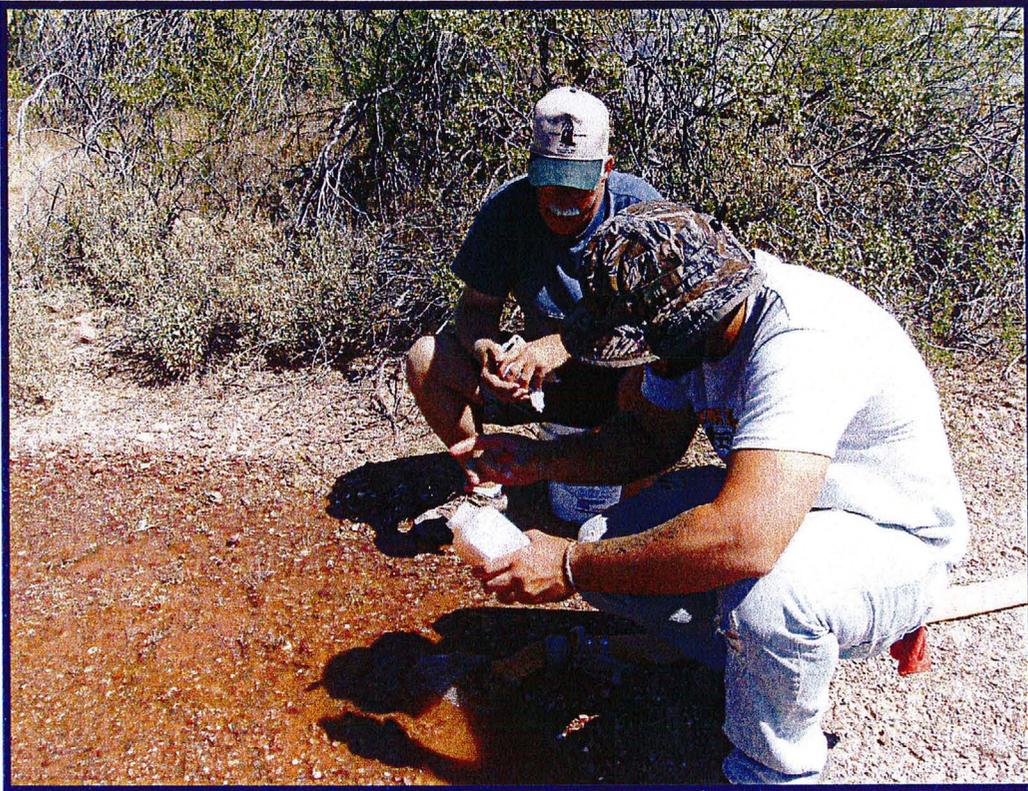


Photo 5: View of EEC representative and Marty Hagan (Vulture Caretaker) collecting samples.

Appendix C

LABORATORY REPORT

Prepared For: Epsilon Engineering
14423 W. McDowell Rd. Suite G104
Goodyear, AZ 85395
Attention: Blake Kincannon

Project: 08 E1248E

Sampled: 06/24/08
Received: 06/24/08
Issued: 07/07/08 14:56

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PRF1339-01	Well Sample 1	Drinking Water
PRF1339-02	Well Sample 2	Drinking Water
PRF1339-03	Pond 1 Sample 1	Drinking Water
PRF1339-04	Pond 1 Sample 2	Drinking Water
PRF1339-05	Pond 1 Soil 1	Soil
PRF1339-06	Pond 1 Soil 2	Soil
PRF1339-07	Pond 2 Soil 1	Soil
PRF1339-08	Pond 2 Soil 2	Soil

SAMPLE RECEIPT: Samples were received intact, at 5°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:



TestAmerica Phoenix

Tim Trestrail
Project Manager

Epsilon Engineering
 14423 W. McDowell Rd. Suite G104
 Goodyear, AZ 85395
 Attention: Blake Kincannon

Project ID: 08 E1248E

Report Number: PRF1339

Sampled: 06/24/08
 Received: 06/24/08

TOTAL METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PRF1339-05 (Pond 1 Soil 1 - Soil)								
Reporting Units: mg/kg								
Arsenic	SW6010B	P8F2642	5.0	7.5	1	6/26/2008	6/30/2008	
Barium	SW6010B	P8F2642	5.0	57	1	6/26/2008	6/30/2008	
Cadmium	SW6010B	P8F2642	0.50	7.9	1	6/26/2008	6/30/2008	
Chromium	SW6010B	P8F2642	2.0	ND	1	6/26/2008	6/30/2008	
Lead	SW6010B	P8F2642	5.0	1100	1	6/26/2008	6/30/2008	
Mercury	SW7471A	P8G0120	0.10	0.85	1	7/1/2008	7/2/2008	
Selenium	SW6010B	P8F2642	5.0	ND	1	6/26/2008	6/30/2008	
Silver	SW6010B	P8F2642	2.5	23	1	6/26/2008	6/30/2008	
Sample ID: PRF1339-06 (Pond 1 Soil 2 - Soil)								
Reporting Units: mg/kg								
Arsenic	SW6010B	P8F2642	5.0	5.1	1	6/26/2008	6/30/2008	
Barium	SW6010B	P8F2642	5.0	40	1	6/26/2008	6/30/2008	
Cadmium	SW6010B	P8F2642	0.50	4.4	1	6/26/2008	6/30/2008	
Chromium	SW6010B	P8F2642	2.0	2.1	1	6/26/2008	6/30/2008	
Lead	SW6010B	P8F2642	5.0	550	1	6/26/2008	6/30/2008	
Mercury	SW7471A	P8G0120	0.10	1.7	1	7/1/2008	7/2/2008	
Selenium	SW6010B	P8F2642	5.0	ND	1	6/26/2008	6/30/2008	
Silver	SW6010B	P8F2642	2.5	32	1	6/26/2008	6/30/2008	
Sample ID: PRF1339-07 (Pond 2 Soil 1 - Soil)								
Reporting Units: mg/kg								
Arsenic	SW6010B	P8F2642	5.0	6.1	1	6/26/2008	6/30/2008	
Barium	SW6010B	P8F2642	5.0	46	1	6/26/2008	6/30/2008	
Cadmium	SW6010B	P8F2642	0.50	6.1	1	6/26/2008	6/30/2008	
Chromium	SW6010B	P8F2642	2.0	ND	1	6/26/2008	6/30/2008	
Lead	SW6010B	P8F2642	5.0	1500	1	6/26/2008	6/30/2008	
Mercury	SW7471A	P8G0120	0.10	0.52	1	7/1/2008	7/2/2008	
Selenium	SW6010B	P8F2642	5.0	ND	1	6/26/2008	6/30/2008	
Silver	SW6010B	P8F2642	2.5	ND	1	6/26/2008	6/30/2008	

TestAmerica Phoenix

Tim Trestrail
 Project Manager

Epsilon Engineering
14423 W. McDowell Rd. Suite G104
Goodyear, AZ 85395
Attention: Blake Kincannon

Project ID: 08 E1248E
Report Number: PRF1339

Sampled: 06/24/08
Received: 06/24/08

TOTAL METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PRF1339-08 (Pond 2 Soil 2 - Soil)								
Reporting Units: mg/kg								
Arsenic	SW6010B	P8F2642	5.0	9.3	1	6/26/2008	6/30/2008	
Barium	SW6010B	P8F2642	5.0	76	1	6/26/2008	6/30/2008	
Cadmium	SW6010B	P8F2642	0.50	11	1	6/26/2008	6/30/2008	
Chromium	SW6010B	P8F2642	2.0	ND	1	6/26/2008	6/30/2008	
Lead	SW6010B	P8F2642	5.0	3300	1	6/26/2008	6/30/2008	
Mercury	SW7471A	P8G0120	0.10	1.6	1	7/1/2008	7/2/2008	
Selenium	SW6010B	P8F2642	5.0	ND	1	6/26/2008	6/30/2008	
Silver	SW6010B	P8F2642	2.5	8.5	1	6/26/2008	6/30/2008	

TestAmerica Phoenix

Tim Trestrail
Project Manager

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PRF1339 <Page 3 of 11>

Epsilon Engineering
14423 W. McDowell Rd. Suite G104
Goodyear, AZ 85395
Attention: Blake Kincannon

Project ID: 08 E1248E
Report Number: PRF1339

Sampled: 06/24/08
Received: 06/24/08

METHOD BLANK/QC DATA

TOTAL METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: P8F2642 Extracted: 06/26/08										
Blank Analyzed: 06/30/2008 (P8F2642-BLK1)										
Arsenic	ND	5.0	mg/kg							
Barium	ND	5.0	mg/kg							
Cadmium	ND	0.50	mg/kg							
Chromium	ND	2.0	mg/kg							
Lead	ND	5.0	mg/kg							
Selenium	ND	5.0	mg/kg							
Silver	ND	2.5	mg/kg							
LCS Analyzed: 06/30/2008 (P8F2642-BS1)										
Arsenic	25.2	5.0	mg/kg	25.0		101	80-120			
Barium	26.2	5.0	mg/kg	25.0		105	80-120			
Cadmium	25.6	0.50	mg/kg	25.0		103	80-120			
Chromium	25.5	2.0	mg/kg	25.0		102	80-120			
Lead	25.6	5.0	mg/kg	25.0		102	80-120			
Selenium	24.9	5.0	mg/kg	25.0		99	80-120			
Silver	25.9	2.5	mg/kg	25.0		104	80-120			
LCS Dup Analyzed: 06/30/2008 (P8F2642-BSD1)										
Arsenic	24.8	5.0	mg/kg	25.0		99	80-120	2	20	
Barium	25.4	5.0	mg/kg	25.0		102	80-120	3	20	
Cadmium	24.9	0.50	mg/kg	25.0		100	80-120	3	20	
Chromium	24.8	2.0	mg/kg	25.0		99	80-120	3	20	
Lead	25.3	5.0	mg/kg	25.0		101	80-120	1	20	
Selenium	24.8	5.0	mg/kg	25.0		99	80-120	0	20	
Silver	25.2	2.5	mg/kg	25.0		101	80-120	3	20	
Matrix Spike Analyzed: 06/30/2008 (P8F2642-MS1) Source: PRF1342-02										
Arsenic	27.5	5.0	mg/kg	25.0	6.21	85	75-125			
Barium	132	5.0	mg/kg	25.0	106	101	75-125			
Cadmium	21.9	0.50	mg/kg	25.0	0.666	85	75-125			
Chromium	27.4	2.0	mg/kg	25.0	6.52	84	75-125			
Lead	82.3	5.0	mg/kg	25.0	61.9	82	75-125			
Selenium	17.6	5.0	mg/kg	25.0	ND	71	75-125			M2
Silver	23.0	2.5	mg/kg	25.0	ND	92	75-125			

TestAmerica Phoenix

Tim Trestrail
Project Manager

Epsilon Engineering
14423 W. McDowell Rd. Suite G104
Goodyear, AZ 85395
Attention: Blake Kincannon

Project ID: 08 E1248E
Report Number: PRF1339

Sampled: 06/24/08
Received: 06/24/08

METHOD BLANK/QC DATA

TOTAL METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P8F2642 Extracted: 06/26/08										
Matrix Spike Dup Analyzed: 06/30/2008 (P8F2642-MSD1)					Source: PRF1342-02					
Arsenic	29.4	5.0	mg/kg	25.0	6.21	93	75-125	7	20	
Barium	138	5.0	mg/kg	25.0	106	126	75-125	5	20	M1
Cadmium	22.0	0.50	mg/kg	25.0	0.666	85	75-125	1	20	
Chromium	29.4	2.0	mg/kg	25.0	6.52	92	75-125	7	20	
Lead	91.8	5.0	mg/kg	25.0	61.9	120	75-125	11	20	
Selenium	18.1	5.0	mg/kg	25.0	ND	72	75-125	2	20	M2
Silver	23.1	2.5	mg/kg	25.0	ND	92	75-125	0	20	

Batch: P8G0120 Extracted: 07/01/08

Blank Analyzed: 07/02/2008 (P8G0120-BLK1)

Mercury ND 0.10 mg/kg

LCS Analyzed: 07/02/2008 (P8G0120-BS1)

Mercury 1.69 0.10 mg/kg 1.67 102 85-115

LCS Dup Analyzed: 07/02/2008 (P8G0120-BSD1)

Mercury 1.69 0.10 mg/kg 1.67 101 85-115 0 20

Matrix Spike Analyzed: 07/02/2008 (P8G0120-MS1)

Mercury 3.20 0.10 mg/kg 1.67 1.63 94 85-115

Matrix Spike Dup Analyzed: 07/02/2008 (P8G0120-MSD1)

Mercury 3.11 0.10 mg/kg 1.67 1.63 89 85-115 3 20

TestAmerica Phoenix

Tim Trestrail
Project Manager

Epsilon Engineering
14423 W. McDowell Rd. Suite G104
Goodyear, AZ 85395
Attention: Blake Kincannon

Project ID: 08 E1248E
Report Number: PRF1339

Sampled: 06/24/08
Received: 06/24/08

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P8F2636 Extracted: 06/26/08										
Blank Analyzed: 06/27/2008 (P8F2636-BLK1)										
Cyanide, Total	ND	0.020	mg/l							
LCS Analyzed: 06/27/2008 (P8F2636-BS1)										
Cyanide, Total	0.196	0.020	mg/l	0.200		98	90-110			
LCS Dup Analyzed: 06/27/2008 (P8F2636-BSD1)										
Cyanide, Total	0.192	0.020	mg/l	0.200		96	90-110	2	20	
Matrix Spike Analyzed: 06/27/2008 (P8F2636-MS1)										
Cyanide, Total	0.188	0.020	mg/l	0.200	Source: PRF1113-01 ND	94	80-120			
Matrix Spike Dup Analyzed: 06/27/2008 (P8F2636-MSD1)										
Cyanide, Total	0.186	0.020	mg/l	0.200	Source: PRF1113-01 ND	93	80-120	1	20	
Batch: P8F3033 Extracted: 06/30/08										
Blank Analyzed: 07/01/2008 (P8F3033-BLK1)										
Cyanide	ND	0.40	mg/kg							
LCS Analyzed: 07/01/2008 (P8F3033-BS1)										
Cyanide	6.30	0.40	mg/kg	6.00		105	90-110			
LCS Dup Analyzed: 07/01/2008 (P8F3033-BSD1)										
Cyanide	6.39	0.40	mg/kg	6.00		106	90-110	1	20	
Matrix Spike Analyzed: 07/01/2008 (P8F3033-MS1)										
Cyanide	4.18	0.40	mg/kg	4.00	Source: PRF1339-07 ND	105	80-120			

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Project Manager

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Epsilon Engineering
14423 W. McDowell Rd. Suite G104
Goodyear, AZ 85395
Attention: Blake Kincannon

Project ID: 08 E1248E
Report Number: PRF1339

Sampled: 06/24/08
Received: 06/24/08

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: P8F3033 Extracted: 06/30/08										
Matrix Spike Dup Analyzed: 07/01/2008 (P8F3033-MSD1)					Source: PRF1339-07					
Cyanide	4.21	0.40	mg/kg	4.00	ND	105	80-120	1	20	
Batch: P8G0217 Extracted: 07/02/08										
Blank Analyzed: 07/03/2008 (P8G0217-BLK1)										
Cyanide, Total	ND	0.020	mg/l							
LCS Analyzed: 07/03/2008 (P8G0217-BS1)										
Cyanide, Total	0.188	0.020	mg/l	0.200		94	90-110			
LCS Dup Analyzed: 07/03/2008 (P8G0217-BSD1)										
Cyanide, Total	0.202	0.020	mg/l	0.200		101	90-110	7	20	
Matrix Spike Analyzed: 07/03/2008 (P8G0217-MS1)					Source: PRF1370-01					
Cyanide, Total	0.154	0.020	mg/l	0.200	ND	77	80-120			M2
Matrix Spike Dup Analyzed: 07/03/2008 (P8G0217-MSD1)					Source: PRF1370-01					
Cyanide, Total	0.171	0.020	mg/l	0.200	ND	85	80-120	10	20	
Batch: P8G0330 Extracted: 07/03/08										
Blank Analyzed: 07/03/2008 (P8G0330-BLK1)										
Cyanide, Total	ND	0.020	mg/l							
LCS Analyzed: 07/03/2008 (P8G0330-BS1)										
Cyanide, Total	0.205	0.020	mg/l	0.200		102	90-110			

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PRF1339 <Page 8 of 11>

Epsilon Engineering
14423 W. McDowell Rd. Suite G104
Goodyear, AZ 85395
Attention: Blake Kincannon

Project ID: 08 E1248E
Report Number: PRF1339

Sampled: 06/24/08
Received: 06/24/08

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P8G0330 Extracted: 07/03/08										
LCS Dup Analyzed: 07/03/2008 (P8G0330-BSD1)										
Cyanide, Total	0.195	0.020	mg/l	0.200		97	90-110	5	20	
Matrix Spike Analyzed: 07/03/2008 (P8G0330-MS1)										
Cyanide, Total	0.576	0.020	mg/l	0.200	0.394	91	80-120			
Matrix Spike Dup Analyzed: 07/03/2008 (P8G0330-MSD1)										
Cyanide, Total	0.589	0.020	mg/l	0.200	0.394	98	80-120	2	20	

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PRF1339 <Page 9 of 11>

Epsilon Engineering
14423 W. McDowell Rd. Suite G104
Goodyear, AZ 85395
Attention: Blake Kincannon

Project ID: 08 E1248E
Report Number: PRF1339

Sampled: 06/24/08
Received: 06/24/08

DATA QUALIFIERS AND DEFINITIONS

- M1** Matrix spike recovery was high; the associated blank spike recovery was acceptable.
- M2** Matrix spike recovery was low; the associated blank spike recovery was acceptable.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

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PRF1339 <Page 10 of 11>

Epsilon Engineering
14423 W. McDowell Rd. Suite G104
Goodyear, AZ 85395
Attention: Blake Kincannon

Project ID: 08 E1248E
Report Number: PRF1339

Sampled: 06/24/08
Received: 06/24/08

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
M4500-CN E	Drinking Water		X
SW6010B	Soil		X
SW7471A	Soil		X
SW9010C/9014	Soil		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Tim Trestrail
Project Manager

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PRF1339 <Page 11 of 11>

LABORATORY REPORT

Prepared For: Epsilon Engineering
250 N. Litchfield Rd., Ste. 261F
Goodyear, AZ 85338
Attention: Jessica Harden

Project: 08E 1248E

Sampled: 06/03/08
Received: 06/04/08
Issued: 06/18/08 10:11

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report. This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PRF0195-01	Sample 1 P1	Water
PRF0195-02	Sample 2 P1	Water
PRF0195-03	Sample 1 P2	Water
PRF0195-04	Pond 1 Sample 1	Soil
PRF0195-05	Pond 1 Sample 2	Soil
PRF0195-06	Pond 2 Sample 1	Soil
PRF0195-07	Pond 2 Sample 2	Soil
PRF0195-08	Sample 1 Well	Water
PRF0195-09	Sample 2 Well	Water

TestAmerica Phoenix

Tim Trestrail
Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

4645 East Cotton Center Blvd. Building 3, Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:
(602) 454-9303

Epsilon Engineering
250 N. Litchfield Rd., Ste. 261F
Goodyear, AZ 85338
Attention: Jessica Harden

Project ID: 08E 1248E

Report Number: PRF0195

Sampled: 06/03/08
Received: 06/04/08

SAMPLE RECEIPT: Samples were received intact, at 4°C, on ice and with chain of custody documentation.

HOLDING TIMES: Not all holding times were met. Results were qualified where the sample analysis did not occur within method specified holding time requirements.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

N1a-The holding time for this test is immediate. The laboratory measurement, therefore, cannot be used for compliance purposes.

Sample #'s 1, 2, 3, 8 & 9 hold times were missed for the cyanide analyses by the laboratory due to technical issues with the analyzer. Therefore, the cyanide analyses was not performed for these samples. Notified client 6/17/08 and the client will resample at the cost of Test America. The resamples collected for cyanide analysis will be at no charge. We apologize for the inconvenience this has caused.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:



TestAmerica Phoenix

Tim Trestrail
Project Manager

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PRF0195 <Page 2 of 16>

Epsilon Engineering
250 N. Litchfield Rd., Ste. 261F
Goodyear, AZ 85338
Attention: Jessica Harden

Project ID: 08E 1248E
Report Number: PRF0195

Sampled: 06/03/08
Received: 06/04/08

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PRF0195-01 (Sample 1 P1 - Water)								
Reporting Units: mg/l								
Chlorine, Total Residual	H8167	P8F0446	0.050	0.052	1	6/4/2008	6/4/2008	
Sample ID: PRF0195-01 (Sample 1 P1 - Water)								
Reporting Units: pH Units								
pH	M4500-H+	P8F0458	1.68	8.70	1	6/4/2008	6/4/2008	N1a
Temperature - °C	M4500-H+	P8F0458	NA	17.5	1	6/4/2008	6/4/2008	N1a
Sample ID: PRF0195-02 (Sample 2 P1 - Water)								
Reporting Units: mg/l								
Chlorine, Total Residual	H8167	P8F0446	0.050	0.052	1	6/4/2008	6/4/2008	
Sample ID: PRF0195-02 (Sample 2 P1 - Water)								
Reporting Units: pH Units								
pH	M4500-H+	P8F0458	1.68	8.71	1	6/4/2008	6/4/2008	N1a
Temperature - °C	M4500-H+	P8F0458	NA	17.2	1	6/4/2008	6/4/2008	N1a
Sample ID: PRF0195-03 (Sample 1 P2 - Water)								
Reporting Units: mg/l								
Chlorine, Total Residual	H8167	P8F0446	0.25	ND	5	6/4/2008	6/4/2008	D1
Sample ID: PRF0195-03 (Sample 1 P2 - Water)								
Reporting Units: pH Units								
pH	M4500-H+	P8F0458	1.68	7.86	1	6/4/2008	6/4/2008	N1a
Temperature - °C	M4500-H+	P8F0458	NA	17.1	1	6/4/2008	6/4/2008	N1a
Sample ID: PRF0195-04 (Pond 1 Sample 1 - Soil)								
Reporting Units: mg/kg								
Cyanide	SW9010C/9014	P8F1136	0.40	ND	1	6/11/2008	6/12/2008	
Sample ID: PRF0195-04 (Pond 1 Sample 1 - Soil)								
Reporting Units: pH Units								
pH	SW9045D	P8F1017	1.68	8.05	1	6/10/2008	6/10/2008	
Sample ID: PRF0195-05 (Pond 1 Sample 2 - Soil)								
Reporting Units: mg/kg								
Cyanide	SW9010C/9014	P8F1136	0.40	3.4	1	6/11/2008	6/12/2008	
Sample ID: PRF0195-05 (Pond 1 Sample 2 - Soil)								
Reporting Units: pH Units								
pH	SW9045D	P8F1017	1.68	8.50	1	6/10/2008	6/10/2008	

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Tim Trestrail
Project Manager

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Epsilon Engineering
250 N. Litchfield Rd., Ste. 261F
Goodyear, AZ 85338
Attention: Jessica Harden

Project ID: 08E 1248E
Report Number: PRF0195

Sampled: 06/03/08
Received: 06/04/08

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PRF0195-06 (Pond 2 Sample 1 - Soil)								
Reporting Units: mg/kg								
Cyanide	SW9010C/9014	P8F1136	0.40	ND	1	6/11/2008	6/12/2008	
Sample ID: PRF0195-06 (Pond 2 Sample 1 - Soil)								
Reporting Units: pH Units								
pH	SW9045D	P8F1017	1.68	8.38	1	6/10/2008	6/10/2008	
Sample ID: PRF0195-07 (Pond 2 Sample 2 - Soil)								
Reporting Units: mg/kg								
Cyanide	SW9010C/9014	P8F1136	0.40	ND	1	6/11/2008	6/12/2008	
Sample ID: PRF0195-07 (Pond 2 Sample 2 - Soil)								
Reporting Units: pH Units								
pH	SW9045D	P8F1017	1.68	8.22	1	6/10/2008	6/10/2008	
Sample ID: PRF0195-08 (Sample 1 Well - Water)								
Reporting Units: mg/l								
Chlorine, Total Residual	H8167	P8F0446	0.050	0.48	1	6/4/2008	6/4/2008	H1, N1a
Sample ID: PRF0195-08 (Sample 1 Well - Water)								
Reporting Units: pH Units								
pH	M4500-H+	P8F0458	1.68	7.47	1	6/4/2008	6/4/2008	N1a
Temperature - °C	M4500-H+	P8F0458	NA	17.4	1	6/4/2008	6/4/2008	N1a
Sample ID: PRF0195-09 (Sample 2 Well - Water)								
Reporting Units: mg/l								
Chlorine, Total Residual	H8167	P8F0446	0.050	0.28	1	6/4/2008	6/4/2008	H1, N1a
Sample ID: PRF0195-09 (Sample 2 Well - Water)								
Reporting Units: pH Units								
pH	M4500-H+	P8F0458	1.68	7.53	1	6/4/2008	6/4/2008	N1a
Temperature - °C	M4500-H+	P8F0458	NA	17.9	1	6/4/2008	6/4/2008	N1a

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Project Manager

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Epsilon Engineering
250 N. Litchfield Rd., Ste. 261F
Goodyear, AZ 85338
Attention: Jessica Harden

Project ID: 08E 1248E
Report Number: PRF0195

Sampled: 06/03/08
Received: 06/04/08

TCLP METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	TCLP Limit	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PRF0195-01 (Sample 1 P1 - Water)									
Reporting Units: mg/l									
Arsenic	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Barium	SW1311/6010B	P8F0611	0.50	ND	1	100.0	6/6/2008	6/9/2008	
Cadmium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Chromium	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Lead	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Mercury	SW1311/7470A	P8F1003	0.00050	0.0017	1	0.2	6/10/2008	6/10/2008	
Selenium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Silver	SW1311/6010B	P8F0611	0.25	ND	1	5.0	6/6/2008	6/9/2008	
Sample ID: PRF0195-02 (Sample 2 P1 - Water)									
Reporting Units: mg/l									
Arsenic	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Barium	SW1311/6010B	P8F0611	0.50	ND	1	100.0	6/6/2008	6/9/2008	
Cadmium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Chromium	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Lead	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Mercury	SW1311/7470A	P8F1003	0.00050	0.0016	1	0.2	6/10/2008	6/10/2008	
Selenium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Silver	SW1311/6010B	P8F0611	0.25	ND	1	5.0	6/6/2008	6/9/2008	
Sample ID: PRF0195-03 (Sample 1 P2 - Water)									
Reporting Units: mg/l									
Arsenic	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Barium	SW1311/6010B	P8F0611	0.50	ND	1	100.0	6/6/2008	6/9/2008	
Cadmium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Chromium	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Lead	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Mercury	SW1311/7470A	P8F1003	0.00050	ND	1	0.2	6/10/2008	6/10/2008	
Selenium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Silver	SW1311/6010B	P8F0611	0.25	ND	1	5.0	6/6/2008	6/9/2008	

TestAmerica Phoenix

Tim Trestrail
Project Manager

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Epsilon Engineering
250 N. Litchfield Rd., Ste. 261F
Goodyear, AZ 85338
Attention: Jessica Harden

Project ID: 08E 1248E
Report Number: PRF0195

Sampled: 06/03/08
Received: 06/04/08

TCLP METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	TCLP Limit	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PRF0195-04 (Pond 1 Sample 1 - Soil)									
Reporting Units: mg/l									
Arsenic	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Barium	SW1311/6010B	P8F0611	0.50	0.61	1	100.0	6/6/2008	6/9/2008	
Cadmium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Chromium	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Lead	SW1311/6010B	P8F0611	0.50	30	1	5.0	6/6/2008	6/9/2008	
Mercury	SW1311/7470A	P8F1003	0.00050	ND	1	0.2	6/10/2008	6/10/2008	
Selenium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Silver	SW1311/6010B	P8F0611	0.25	ND	1	5.0	6/6/2008	6/9/2008	
Sample ID: PRF0195-05 (Pond 1 Sample 2 - Soil)									
Reporting Units: mg/l									
Arsenic	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Barium	SW1311/6010B	P8F0611	0.50	ND	1	100.0	6/6/2008	6/9/2008	
Cadmium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Chromium	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Lead	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Mercury	SW1311/7470A	P8F1003	0.00050	0.00095	1	0.2	6/10/2008	6/10/2008	
Selenium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Silver	SW1311/6010B	P8F0611	0.25	ND	1	5.0	6/6/2008	6/9/2008	
Sample ID: PRF0195-06 (Pond 2 Sample 1 - Soil)									
Reporting Units: mg/l									
Arsenic	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Barium	SW1311/6010B	P8F0611	0.50	0.86	1	100.0	6/6/2008	6/9/2008	
Cadmium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Chromium	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Lead	SW1311/6010B	P8F0611	0.50	2.2	1	5.0	6/6/2008	6/9/2008	
Mercury	SW1311/7470A	P8F1003	0.00050	ND	1	0.2	6/10/2008	6/10/2008	
Selenium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Silver	SW1311/6010B	P8F0611	0.25	ND	1	5.0	6/6/2008	6/9/2008	

TestAmerica Phoenix

Tim Trestrail
Project Manager

Epsilon Engineering
250 N. Litchfield Rd., Ste. 261F
Goodyear, AZ 85338
Attention: Jessica Harden

Project ID: 08E 1248E
Report Number: PRF0195

Sampled: 06/03/08
Received: 06/04/08

TCLP METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	TCLP Limit	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PRF0195-07 (Pond 2 Sample 2 - Soil)									
Reporting Units: mg/l									
Arsenic	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Barium	SW1311/6010B	P8F0611	0.50	0.76	1	100.0	6/6/2008	6/9/2008	
Cadmium	SW1311/6010B	P8F0611	0.25	0.48	1	1.0	6/6/2008	6/9/2008	
Chromium	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Lead	SW1311/6010B	P8F0611	0.50	19	1	5.0	6/6/2008	6/9/2008	
Mercury	SW1311/7470A	P8F1003	0.00050	ND	1	0.2	6/10/2008	6/10/2008	
Selenium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Silver	SW1311/6010B	P8F0611	0.25	ND	1	5.0	6/6/2008	6/9/2008	
Sample ID: PRF0195-08 (Sample 1 Well - Water)									
Reporting Units: mg/l									
Arsenic	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Barium	SW1311/6010B	P8F0611	0.50	ND	1	100.0	6/6/2008	6/9/2008	
Cadmium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Chromium	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Lead	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Mercury	SW1311/7470A	P8F1003	0.00050	ND	1	0.2	6/10/2008	6/10/2008	
Selenium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Silver	SW1311/6010B	P8F0611	0.25	ND	1	5.0	6/6/2008	6/9/2008	
Sample ID: PRF0195-09 (Sample 2 Well - Water)									
Reporting Units: mg/l									
Arsenic	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Barium	SW1311/6010B	P8F0611	0.50	ND	1	100.0	6/6/2008	6/9/2008	
Cadmium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Chromium	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Lead	SW1311/6010B	P8F0611	0.50	ND	1	5.0	6/6/2008	6/9/2008	
Mercury	SW1311/7470A	P8F1003	0.00050	ND	1	0.2	6/10/2008	6/10/2008	
Selenium	SW1311/6010B	P8F0611	0.25	ND	1	1.0	6/6/2008	6/9/2008	
Silver	SW1311/6010B	P8F0611	0.25	ND	1	5.0	6/6/2008	6/9/2008	

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Project Manager

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Epsilon Engineering
250 N. Litchfield Rd., Ste. 261F
Goodyear, AZ 85338
Attention: Jessica Harden

Project ID: 08E 1248E
Report Number: PRF0195

Sampled: 06/03/08
Received: 06/04/08

TCLP EXTRACTION

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	TCLP Limit	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PRF0195-01 (Sample 1 P1 - Water)									
Reporting Units: None									
TCLP Extraction	EPA 1311	P8F0932	1.00	ND	1	NA	6/6/2008	6/7/2008	
Sample ID: PRF0195-02 (Sample 2 P1 - Water)									
Reporting Units: None									
TCLP Extraction	EPA 1311	P8F0932	1.00	ND	1	NA	6/6/2008	6/7/2008	
Sample ID: PRF0195-03 (Sample 1 P2 - Water)									
Reporting Units: None									
TCLP Extraction	EPA 1311	P8F0932	1.00	ND	1	NA	6/6/2008	6/7/2008	
Sample ID: PRF0195-04 (Pond 1 Sample 1 - Soil)									
Reporting Units: None									
TCLP Extraction	EPA 1311	P8F0533	1.00	ND	1	NA	6/5/2008	6/6/2008	
Sample ID: PRF0195-05 (Pond 1 Sample 2 - Soil)									
Reporting Units: None									
TCLP Extraction	EPA 1311	P8F0533	1.00	ND	1	NA	6/5/2008	6/6/2008	
Sample ID: PRF0195-06 (Pond 2 Sample 1 - Soil)									
Reporting Units: None									
TCLP Extraction	EPA 1311	P8F0533	1.00	ND	1	NA	6/5/2008	6/6/2008	
Sample ID: PRF0195-07 (Pond 2 Sample 2 - Soil)									
Reporting Units: None									
TCLP Extraction	EPA 1311	P8F0533	1.00	ND	1	NA	6/5/2008	6/6/2008	
Sample ID: PRF0195-08 (Sample 1 Well - Water)									
Reporting Units: None									
TCLP Extraction	EPA 1311	P8F0932	1.00	ND	1	NA	6/6/2008	6/7/2008	
Sample ID: PRF0195-09 (Sample 2 Well - Water)									
Reporting Units: None									
TCLP Extraction	EPA 1311	P8F0932	1.00	ND	1	NA	6/6/2008	6/7/2008	

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Epsilon Engineering
250 N. Litchfield Rd., Ste. 261F
Goodyear, AZ 85338
Attention: Jessica Harden

Project ID: 08E 1248E

Report Number: PRF0195

Sampled: 06/03/08
Received: 06/04/08

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Sample 1 P1 (PRF0195-01) - Water H8167	1	06/03/2008 13:35	06/04/2008 08:10	06/04/2008 12:15	06/04/2008 12:45
Sample ID: Sample 2 P1 (PRF0195-02) - Water H8167	1	06/03/2008 13:40	06/04/2008 08:10	06/04/2008 12:15	06/04/2008 12:45
Sample ID: Sample 1 P2 (PRF0195-03) - Water H8167	1	06/03/2008 13:45	06/04/2008 08:10	06/04/2008 12:15	06/04/2008 12:45
Sample ID: Sample 1 Well (PRF0195-08) - Water H8167	1	06/03/2008 10:11	06/04/2008 08:10	06/04/2008 12:15	06/04/2008 12:45
Sample ID: Sample 2 Well (PRF0195-09) - Water H8167	1	06/03/2008 12:27	06/04/2008 08:10	06/04/2008 12:15	06/04/2008 12:45

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Epsilon Engineering
250 N. Litchfield Rd., Ste. 261F
Goodyear, AZ 85338
Attention: Jessica Harden

Project ID: 08E 1248E
Report Number: PRF0195

Sampled: 06/03/08
Received: 06/04/08

METHOD BLANK/QC DATA

TCLP METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Data Qualifiers
Batch: P8F0611 Extracted: 06/06/08										
Blank Analyzed: 06/09/2008 (P8F0611-BLK1)										
Arsenic	ND	0.50	mg/l							
Barium	ND	0.50	mg/l							
Cadmium	ND	0.25	mg/l							
Chromium	ND	0.50	mg/l							
Lead	ND	0.50	mg/l							
Selenium	ND	0.25	mg/l							
Silver	ND	0.25	mg/l							
Blank Analyzed: 06/09/2008 (P8F0611-BLK2)										
Arsenic	ND	0.50	mg/l							
Barium	ND	0.50	mg/l							
Cadmium	ND	0.25	mg/l							
Chromium	ND	0.50	mg/l							
Lead	ND	0.50	mg/l							
Selenium	ND	0.25	mg/l							
Silver	ND	0.25	mg/l							
Blank Analyzed: 06/09/2008 (P8F0611-BLK3)										
Arsenic	ND	0.50	mg/l							
Barium	ND	0.50	mg/l							
Cadmium	ND	0.25	mg/l							
Chromium	ND	0.50	mg/l							
Lead	ND	0.50	mg/l							
Selenium	ND	0.25	mg/l							
Silver	ND	0.25	mg/l							
LCS Analyzed: 06/09/2008 (P8F0611-BS1)										
Arsenic	2.60	0.50	mg/l	2.50		104	85-115			
Barium	2.57	0.50	mg/l	2.50		103	85-115			
Cadmium	2.56	0.25	mg/l	2.50		102	85-115			
Chromium	2.46	0.50	mg/l	2.50		99	85-115			
Lead	2.55	0.50	mg/l	2.50		102	85-115			
Selenium	2.77	0.25	mg/l	2.50		111	85-115			
Silver	2.51	0.25	mg/l	2.50		101	85-115			

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Epsilon Engineering
250 N. Litchfield Rd., Ste. 261F
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Attention: Jessica Harden

Project ID: 08E 1248E
Report Number: PRF0195

Sampled: 06/03/08
Received: 06/04/08

METHOD BLANK/QC DATA

TCLP METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: P8F0611 Extracted: 06/06/08										
LCS Dup Analyzed: 06/09/2008 (P8F0611-BSD1)										
Arsenic	2.53	0.50	mg/l	2.50		101	85-115	3	20	
Barium	2.50	0.50	mg/l	2.50		100	85-115	3	20	
Cadmium	2.50	0.25	mg/l	2.50		100	85-115	2	20	
Chromium	2.41	0.50	mg/l	2.50		96	85-115	2	20	
Lead	2.49	0.50	mg/l	2.50		100	85-115	2	20	
Selenium	2.73	0.25	mg/l	2.50		109	85-115	1	20	
Silver	2.46	0.25	mg/l	2.50		98	85-115	2	20	
Matrix Spike Analyzed: 06/09/2008 (P8F0611-MS1) Source: PRF0195-04										
Arsenic	2.61	0.50	mg/l	2.50	ND	104	75-139			
Barium	3.09	0.50	mg/l	2.50	0.607	99	65.8-166			
Cadmium	2.64	0.25	mg/l	2.50	ND	106	75-125			
Chromium	2.49	0.50	mg/l	2.50	ND	100	75-125			
Lead	30.6	0.50	mg/l	2.50	29.6	40	75-125			M2
Selenium	2.83	0.25	mg/l	2.50	ND	113	75-125			
Silver	2.48	0.25	mg/l	2.50	ND	99	75-125			
Matrix Spike Dup Analyzed: 06/09/2008 (P8F0611-MSD1) Source: PRF0195-04										
Arsenic	2.56	0.50	mg/l	2.50	ND	102	75-139	2	20	
Barium	3.02	0.50	mg/l	2.50	0.607	96	65.8-166	2	20	
Cadmium	2.58	0.25	mg/l	2.50	ND	103	75-125	2	20	
Chromium	2.43	0.50	mg/l	2.50	ND	97	75-125	3	20	
Lead	29.3	0.50	mg/l	2.50	29.6	-12	75-125	4	20	M2
Selenium	2.74	0.25	mg/l	2.50	ND	110	75-125	3	20	
Silver	2.48	0.25	mg/l	2.50	ND	99	75-125	0	20	
Batch: P8F1003 Extracted: 06/10/08										
Blank Analyzed: 06/10/2008 (P8F1003-BLK1)										
Mercury	ND	0.00050	mg/l							

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Epsilon Engineering
 250 N. Litchfield Rd., Ste. 261F
 Goodyear, AZ 85338
 Attention: Jessica Harden

Project ID: 08E 1248E
 Report Number: PRF0195

Sampled: 06/03/08
 Received: 06/04/08

METHOD BLANK/QC DATA

TCLP METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: P8F1003 Extracted: 06/10/08										
Blank Analyzed: 06/10/2008 (P8F1003-BLK2)										
Mercury	ND	0.00050	mg/l							
Blank Analyzed: 06/10/2008 (P8F1003-BLK3)										
Mercury	ND	0.00050	mg/l							
LCS Analyzed: 06/10/2008 (P8F1003-BS1)										
Mercury	0.0101	0.00050	mg/l	0.0100		101	85-115			
LCS Dup Analyzed: 06/10/2008 (P8F1003-BSD1)										
Mercury	0.0104	0.00050	mg/l	0.0100		104	85-115	3	20	
Matrix Spike Analyzed: 06/10/2008 (P8F1003-MS1)										
Mercury	0.0131	0.00050	mg/l	0.0100	0.00167	114	71.5-136			
Matrix Spike Dup Analyzed: 06/10/2008 (P8F1003-MSD1)										
Mercury	0.0131	0.00050	mg/l	0.0100	0.00167	115	71.5-136	1	20	

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Epsilon Engineering
250 N. Litchfield Rd., Ste. 261F
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Attention: Jessica Harden

Project ID: 08E 1248E
Report Number: PRF0195

Sampled: 06/03/08
Received: 06/04/08

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: P8F0446 Extracted: 06/04/08										
Blank Analyzed: 06/04/2008 (P8F0446-BLK1)										
Chlorine, Total Residual	ND	0.050	mg/l							
LCS Analyzed: 06/04/2008 (P8F0446-BS1)										
Chlorine, Total Residual	1.02	0.050	mg/l	1.00		102	90-110			
LCS Dup Analyzed: 06/04/2008 (P8F0446-BSD1)										
Chlorine, Total Residual	1.01	0.050	mg/l	1.00		101	90-110	1	20	
Duplicate Analyzed: 06/04/2008 (P8F0446-DUP1)										
Chlorine, Total Residual	ND	0.050	mg/l		0.0520				20	
Batch: P8F0458 Extracted: 06/04/08										
Duplicate Analyzed: 06/04/2008 (P8F0458-DUP1)										
pH	8.73	1.68	pH Units		8.70			0	10	
Temperature - °C	17.6	NA	pH Units		17.5			1	200	
Duplicate Analyzed: 06/04/2008 (P8F0458-DUP2)										
pH	7.83	1.68	pH Units		7.85			0	10	
Temperature - °C	16.8	NA	pH Units		16.9			1	200	
Reference Analyzed: 06/04/2008 (P8F0458-SRM1)										
pH	6.97	1.68	pH Units	7.00		100	99-101			
Reference Analyzed: 06/04/2008 (P8F0458-SRM2)										
pH	7.01	1.68	pH Units	7.00		100	99-101			

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Epsilon Engineering
250 N. Litchfield Rd., Ste. 261F
Goodyear, AZ 85338
Attention: Jessica Harden

Project ID: 08E 1248E
Report Number: PRF0195

Sampled: 06/03/08
Received: 06/04/08

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P8F1017 Extracted: 06/10/08										
Duplicate Analyzed: 06/10/2008 (P8F1017-DUP1)					Source: PRE1407-43RE1					
pH	3.28	1.68	pH Units		3.31			1	10	
Duplicate Analyzed: 06/10/2008 (P8F1017-DUP2)					Source: PRF0354-01					
pH	9.97	1.68	pH Units		10.2			3	10	
Reference Analyzed: 06/10/2008 (P8F1017-SRM1)										
pH	6.96	1.68	pH Units	7.00		99	99-101			
Batch: P8F1136 Extracted: 06/11/08										
Blank Analyzed: 06/12/2008 (P8F1136-BLK1)										
Cyanide	ND	0.40	mg/kg							
LCS Analyzed: 06/12/2008 (P8F1136-BS1)										
Cyanide	5.91	0.40	mg/kg	6.00		98	90-110			
LCS Dup Analyzed: 06/12/2008 (P8F1136-BSD1)										
Cyanide	5.67	0.40	mg/kg	6.00		94	90-110	4	20	
Matrix Spike Analyzed: 06/12/2008 (P8F1136-MS1)										
Cyanide	4.08	0.40	mg/kg	4.00	ND	102	80-120			
Matrix Spike Dup Analyzed: 06/12/2008 (P8F1136-MSD1)										
Cyanide	4.12	0.40	mg/kg	4.00	ND	103	80-120	1	20	

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Epsilon Engineering
250 N. Litchfield Rd., Ste. 261F
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Attention: Jessica Harden

Project ID: 08E 1248E
Report Number: PRF0195

Sampled: 06/03/08
Received: 06/04/08

DATA QUALIFIERS AND DEFINITIONS

D1 Sample required dilution due to matrix.
H1 Sample analysis performed past holding time.
M2 Matrix spike recovery was low; the associated blank spike recovery was acceptable.
N1 See case narrative.
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD Relative Percent Difference

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Epsilon Engineering
250 N. Litchfield Rd., Ste. 261F
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Attention: Jessica Harden

Project ID: 08E 1248E
Report Number: PRF0195

Sampled: 06/03/08
Received: 06/04/08

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 1311	Soil		X
EPA 1311	Water		X
H8167	Water		X
M4500-H+	Water		X
SW1311/6010B	Soil		
SW1311/6010B	Water		
SW1311/7470A	Soil		X
SW1311/7470A	Water		X
SW9010C/9014	Soil		X
SW9045D	Soil		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Tim Trestrail
Project Manager

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TAL-0013(1007)

Client Name/Address: <i>Ephelom Engineering 14423 W. McDowell Rd Ste G104 Goodyear, Arizona 85395</i>			Project/PO Number: <i>08E1248E</i>			Analysis Required							
Project Manager: <i>Jessica Harden</i>			Phone Number: <i>623 932 9967</i>			TCUP Methods EPA 131/6010/7470	PH EPA 9040/9045	Cyanide - Total EPA 9003/9014	Chlorine EPA 9097	Cyanide PR 450 - CNE	PH EPA 150.1	Chlorine HAACH 8167	Special Instructions
Sampler:			Fax Number: <i>623 932 9968</i>										
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives							
POND 1 Sample 1	S	4oz		6/3	130	---	X	X	X	X			
POND 1 Sample 2	↓	↓			130	---	X	X	X	X			
Pond 2 Sample 1	↓	↓			140	---	X	X	X	X			
Pond 2 Sample 2	↓	↓			140	---	X	X	X	X			
Sample 1 well	W				104								
Sample 1 Well	↓									X			
sample 1 well	↓						X						
Sample 1 well	↓								X				
Sample 2 well	↓				127								
sample 2 well	↓									X			
sample 2 well	↓						X						
sample 2 well	↓								X				
Relinquished By: <i>Juan J. Hahn</i>			Date/Time: <i>6/4 8:06</i>			Received By:			Date/Time:			Turnaround Time: (Check)	
Relinquished By:			Date/Time:			Received By:			Date/Time:			same day _____ 72 hours _____	
Relinquished By:			Date/Time:			Received in Lab By: <i>[Signature]</i>			Date/Time: <i>6/4/08 8:06</i>			24 hours _____ 5 days _____	
Relinquished By:			Date/Time:			Received in Lab By:			Date/Time:			48 hours _____ normal <input checked="" type="checkbox"/>	
Relinquished By:			Date/Time:			Received in Lab By:			Date/Time:			Sample Integrity: (Check)	
Relinquished By:			Date/Time:			Received in Lab By:			Date/Time:			intact _____ on ice <input checked="" type="checkbox"/>	

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

3.9