

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Denver

4955 Yarrow Street

Arvada, CO 80002

Tel: (303)736-0100

TestAmerica Job ID: 280-68837-1

Client Project/Site: Petroglyph

For:

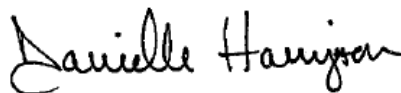
Norwest Corporation

950 South Cherry Street

Suite 800

Denver, Colorado 80246

Attn: Konrad Quast



Authorized for release by:

5/26/2015 12:37:06 PM

Danielle Harrington, Project Manager II

(303)736-0176

[danielle.harrington@testamericainc.com](mailto:danielle.harrington@testamericainc.com)

received 06/03/2015  
Project 6156  
Document 200322098  
and  
Project 6155  
Document 200322096

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions . . . . .	4
Detection Summary . . . . .	5
Method Summary . . . . .	6
Sample Summary . . . . .	7
Client Sample Results . . . . .	8
QC Sample Results . . . . .	10
QC Association . . . . .	11
Chronicle . . . . .	12
Receipt Checklists . . . . .	13
Chain of Custody . . . . .	15

## Case Narrative

Client: Norwest Corporation  
Project/Site: Petroglyph

TestAmerica Job ID: 280-68837-1

**Job ID: 280-68837-1**

**Laboratory: TestAmerica Denver**

### Narrative

#### CASE NARRATIVE

**Client: Norwest Corporation**

**Project: Petroglyph**

**Report Number: 280-68837-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

#### **RECEIPT**

The samples were received on 05/07/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.5 C.

#### **SODIUM ABSORPTION RATIO**

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### **GENERAL CHEMISTRY- VARIOUS**

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

## Definitions/Glossary

Client: Norwest Corporation  
Project/Site: Petroglyph

TestAmerica Job ID: 280-68837-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

## Detection Summary

Client: Norwest Corporation  
Project/Site: Petroglyph

TestAmerica Job ID: 280-68837-1

### Client Sample ID: LIVELY BUFFALO WALLOW #1

Lab Sample ID: 280-68837-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	4.4		1.2		No Unit	10		20B	Soluble
pH	8.38		0.100		SU	1		9040C	Soluble
Specific Conductance (25C)	1900		10		umhos/cm	1		9050A	Soluble

### Client Sample ID: LIVELY BUFFALO WALLOW #1 NATIVE

Lab Sample ID: 280-68837-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	6.94		0.100		SU	1		9040C	Soluble
Specific Conductance (25C)	180		10		umhos/cm	1		9050A	Soluble

### Client Sample ID: EVAP TANK #1 SW POND

Lab Sample ID: 280-68837-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	3.4		1.2		No Unit	10		20B	Soluble
pH	8.40		0.100		SU	1		9040C	Soluble
Specific Conductance (25C)	760		10		umhos/cm	1		9050A	Soluble

This Detection Summary does not include radiochemical test results.

TestAmerica Denver

## Method Summary

Client: Norwest Corporation  
Project/Site: Petroglyph

TestAmerica Job ID: 280-68837-1

Method	Method Description	Protocol	Laboratory
20B	Sodium Adsorption Ratio	USDA	TAL DEN
160.3	160.3 Modificado	EPA	TAL DEN
9040C	pH	SW846	TAL NSH
9050A	Specific Conductance	SW846	TAL NSH

### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USDA = "USDA Agriculture Handbook 60, section 20B".

### Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

## Sample Summary

Client: Norwest Corporation  
Project/Site: Petroglyph

TestAmerica Job ID: 280-68837-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-68837-1	LIVELY BUFFALO WALLOW #1	Solid	05/05/15 10:29	05/07/15 09:50
280-68837-2	LIVELY BUFFALO WALLOW #1 NATIVE	Solid	05/05/15 10:58	05/07/15 09:50
280-68837-3	EVAP TANK #1 SW POND	Solid	05/05/15 11:39	05/07/15 09:50

# Client Sample Results

Client: Norwest Corporation  
Project/Site: Petroglyph

TestAmerica Job ID: 280-68837-1

## Method: 20B - Sodium Adsorption Ratio - Soluble

Client Sample ID: LIVELY BUFFALO WALLOW #1

Date Collected: 05/05/15 10:29

Date Received: 05/07/15 09:50

Lab Sample ID: 280-68837-1

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	4.4		1.2		No Unit		05/12/15 19:30	05/18/15 13:04	10

Client Sample ID: LIVELY BUFFALO WALLOW #1 NATIVE

Date Collected: 05/05/15 10:58

Date Received: 05/07/15 09:50

Lab Sample ID: 280-68837-2

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	ND		1.2		No Unit		05/12/15 19:30	05/18/15 13:09	10

Client Sample ID: EVAP TANK #1 SW POND

Date Collected: 05/05/15 11:39

Date Received: 05/07/15 09:50

Lab Sample ID: 280-68837-3

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	3.4		1.2		No Unit		05/12/15 19:30	05/18/15 13:12	10

## General Chemistry

Client Sample ID: LIVELY BUFFALO WALLOW #1

Date Collected: 05/05/15 10:29

Date Received: 05/07/15 09:50

Lab Sample ID: 280-68837-1

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		0.10		%			05/10/15 15:04	1

Client Sample ID: LIVELY BUFFALO WALLOW #1 NATIVE

Date Collected: 05/05/15 10:58

Date Received: 05/07/15 09:50

Lab Sample ID: 280-68837-2

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		0.10		%			05/10/15 15:04	1

Client Sample ID: EVAP TANK #1 SW POND

Date Collected: 05/05/15 11:39

Date Received: 05/07/15 09:50

Lab Sample ID: 280-68837-3

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	24		0.10		%			05/10/15 15:04	1

## General Chemistry - Soluble

Client Sample ID: LIVELY BUFFALO WALLOW #1

Date Collected: 05/05/15 10:29

Date Received: 05/07/15 09:50

Lab Sample ID: 280-68837-1

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.38		0.100		SU		05/08/15 14:15	05/13/15 14:16	1
Specific Conductance (25C)	1900		10		umhos/cm		05/08/15 14:15	05/13/15 15:07	1

Client Sample ID: LIVELY BUFFALO WALLOW #1 NATIVE

Date Collected: 05/05/15 10:58

Date Received: 05/07/15 09:50

Lab Sample ID: 280-68837-2

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.94		0.100		SU		05/08/15 14:15	05/13/15 14:16	1
Specific Conductance (25C)	180		10		umhos/cm		05/08/15 14:15	05/13/15 15:07	1

TestAmerica Denver



# Client Sample Results

Client: Norwest Corporation  
Project/Site: Petroglyph

TestAmerica Job ID: 280-68837-1

## General Chemistry - Soluble

Client Sample ID: EVAP TANK #1 SW POND

Date Collected: 05/05/15 11:39

Date Received: 05/07/15 09:50

Lab Sample ID: 280-68837-3

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.40		0.100		SU		05/08/15 14:15	05/13/15 14:16	1
Specific Conductance (25C)	760		10		umhos/cm		05/08/15 14:15	05/13/15 15:07	1

# QC Sample Results

Client: Norwest Corporation  
Project/Site: Petroglyph

TestAmerica Job ID: 280-68837-1

## Method: 20B - Sodium Adsorption Ratio

Lab Sample ID: MB 280-276983/1-A  
Matrix: Solid  
Analysis Batch: 278178

Client Sample ID: Method Blank  
Prep Type: Soluble  
Prep Batch: 276983

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	ND		1.2		No Unit		05/12/15 19:30	05/18/15 12:59	10

Lab Sample ID: 280-68837-1 DU  
Matrix: Solid  
Analysis Batch: 278178

Client Sample ID: LIVELY BUFFALO WALLOW #1  
Prep Type: Soluble  
Prep Batch: 276983

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Sodium Adsorption Ratio	4.4		5.68		No Unit		26	

## Method: 160.3 - 160.3 Modificado

Lab Sample ID: 280-68837-2 DU  
Matrix: Solid  
Analysis Batch: 276781

Client Sample ID: LIVELY BUFFALO WALLOW #1 NATIVE  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Percent Moisture	12		11		%		4	20

## Method: 9040C - pH

Lab Sample ID: LCS 490-248008/1  
Matrix: Solid  
Analysis Batch: 248008

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.050		SU		101	95 - 105

Lab Sample ID: 280-68837-1 DU  
Matrix: Solid  
Analysis Batch: 248008

Client Sample ID: LIVELY BUFFALO WALLOW #1  
Prep Type: Soluble  
Prep Batch: 246903

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
pH	8.38		8.380		SU		0	20

## Method: 9050A - Specific Conductance

Lab Sample ID: 490-78083-A-2-A DU  
Matrix: Solid  
Analysis Batch: 248039

Client Sample ID: Duplicate  
Prep Type: Soluble  
Prep Batch: 246903

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Specific Conductance (25C)	210		209		umhos/cm		0	10

TestAmerica Denver

# QC Association Summary

Client: Norwest Corporation  
Project/Site: Petroglyph

TestAmerica Job ID: 280-68837-1

## Metals

### Prep Batch: 276983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-68837-1	LIVELY BUFFALO WALLOW #1	Soluble	Solid	20B	
280-68837-1 DU	LIVELY BUFFALO WALLOW #1	Soluble	Solid	20B	
280-68837-2	LIVELY BUFFALO WALLOW #1 NATIVE	Soluble	Solid	20B	
280-68837-3	EVAP TANK #1 SW POND	Soluble	Solid	20B	
MB 280-276983/1-A	Method Blank	Soluble	Solid	20B	

### Analysis Batch: 278178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-68837-1	LIVELY BUFFALO WALLOW #1	Soluble	Solid	20B	276983
280-68837-1 DU	LIVELY BUFFALO WALLOW #1	Soluble	Solid	20B	276983
280-68837-2	LIVELY BUFFALO WALLOW #1 NATIVE	Soluble	Solid	20B	276983
280-68837-3	EVAP TANK #1 SW POND	Soluble	Solid	20B	276983
MB 280-276983/1-A	Method Blank	Soluble	Solid	20B	276983

## General Chemistry

### Prep Batch: 246903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-68837-1	LIVELY BUFFALO WALLOW #1	Soluble	Solid	Sat Paste Ext	
280-68837-1 DU	LIVELY BUFFALO WALLOW #1	Soluble	Solid	Sat Paste Ext	
280-68837-2	LIVELY BUFFALO WALLOW #1 NATIVE	Soluble	Solid	Sat Paste Ext	
280-68837-3	EVAP TANK #1 SW POND	Soluble	Solid	Sat Paste Ext	
490-78083-A-2-A DU	Duplicate	Soluble	Solid	Sat Paste Ext	

### Analysis Batch: 248008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-68837-1	LIVELY BUFFALO WALLOW #1	Soluble	Solid	9040C	246903
280-68837-1 DU	LIVELY BUFFALO WALLOW #1	Soluble	Solid	9040C	246903
280-68837-2	LIVELY BUFFALO WALLOW #1 NATIVE	Soluble	Solid	9040C	246903
280-68837-3	EVAP TANK #1 SW POND	Soluble	Solid	9040C	246903
LCS 490-248008/1	Lab Control Sample	Total/NA	Solid	9040C	

### Analysis Batch: 248039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-68837-1	LIVELY BUFFALO WALLOW #1	Soluble	Solid	9050A	246903
280-68837-2	LIVELY BUFFALO WALLOW #1 NATIVE	Soluble	Solid	9050A	246903
280-68837-3	EVAP TANK #1 SW POND	Soluble	Solid	9050A	246903
490-78083-A-2-A DU	Duplicate	Soluble	Solid	9050A	246903

### Analysis Batch: 276781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-68837-1	LIVELY BUFFALO WALLOW #1	Total/NA	Solid	160.3	
280-68837-2	LIVELY BUFFALO WALLOW #1 NATIVE	Total/NA	Solid	160.3	
280-68837-2 DU	LIVELY BUFFALO WALLOW #1 NATIVE	Total/NA	Solid	160.3	
280-68837-3	EVAP TANK #1 SW POND	Total/NA	Solid	160.3	

TestAmerica Denver

# Lab Chronicle

Client: Norwest Corporation  
Project/Site: Petroglyph

TestAmerica Job ID: 280-68837-1

**Client Sample ID: LIVELY BUFFALO WALLOW #1**

**Date Collected: 05/05/15 10:29**

**Date Received: 05/07/15 09:50**

**Lab Sample ID: 280-68837-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			1.0 g	1.0 mL	276983	05/12/15 19:30	SEJ	TAL DEN
Soluble	Analysis	20B		10			278178	05/18/15 13:04	CRR	TAL DEN
Total/NA	Analysis	160.3		1			276781	05/10/15 15:04	SVC	TAL DEN
Soluble	Prep	Sat Paste Ext			1 g	1 mL	246903	05/08/15 14:15	MAA	TAL NSH
Soluble	Analysis	9040C		1	1 g	1 mL	248008	05/13/15 14:16	AOJ	TAL NSH
Soluble	Prep	Sat Paste Ext			1 g	1 mL	246903	05/08/15 14:15	MAA	TAL NSH
Soluble	Analysis	9050A		1	1 g	1 mL	248039	05/13/15 15:07	BMC	TAL NSH

**Client Sample ID: LIVELY BUFFALO WALLOW #1 NATIVE**

**Date Collected: 05/05/15 10:58**

**Date Received: 05/07/15 09:50**

**Lab Sample ID: 280-68837-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			1.0 g	1.0 mL	276983	05/12/15 19:30	SEJ	TAL DEN
Soluble	Analysis	20B		10			278178	05/18/15 13:09	CRR	TAL DEN
Total/NA	Analysis	160.3		1			276781	05/10/15 15:04	SVC	TAL DEN
Soluble	Prep	Sat Paste Ext			1 g	1 mL	246903	05/08/15 14:15	MAA	TAL NSH
Soluble	Analysis	9040C		1	1 g	1 mL	248008	05/13/15 14:16	AOJ	TAL NSH
Soluble	Prep	Sat Paste Ext			1 g	1 mL	246903	05/08/15 14:15	MAA	TAL NSH
Soluble	Analysis	9050A		1	1 g	1 mL	248039	05/13/15 15:07	BMC	TAL NSH

**Client Sample ID: EVAP TANK #1 SW POND**

**Date Collected: 05/05/15 11:39**

**Date Received: 05/07/15 09:50**

**Lab Sample ID: 280-68837-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			1.0 g	1.0 mL	276983	05/12/15 19:30	SEJ	TAL DEN
Soluble	Analysis	20B		10			278178	05/18/15 13:12	CRR	TAL DEN
Total/NA	Analysis	160.3		1			276781	05/10/15 15:04	SVC	TAL DEN
Soluble	Prep	Sat Paste Ext			1 g	1 mL	246903	05/08/15 14:15	MAA	TAL NSH
Soluble	Analysis	9040C		1	1 g	1 mL	248008	05/13/15 14:16	AOJ	TAL NSH
Soluble	Prep	Sat Paste Ext			1 g	1 mL	246903	05/08/15 14:15	MAA	TAL NSH
Soluble	Analysis	9050A		1	1 g	1 mL	248039	05/13/15 15:07	BMC	TAL NSH

## Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TestAmerica Denver

## Login Sample Receipt Checklist

Client: Norwest Corporation

Job Number: 280-68837-1

**Login Number: 68837**

**List Source: TestAmerica Denver**

**List Number: 1**

**Creator: Muniz, Ashley T**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Sample splitting required for subcontract purposes.
Residual Chlorine Checked.	N/A	

## Login Sample Receipt Checklist

Client: Norwest Corporation

Job Number: 280-68837-1

**Login Number: 68837**

**List Number: 2**

**Creator: Huckaba, Jimmy**

**List Source: TestAmerica Nashville**

**List Creation: 05/08/15 01:23 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

**TestAmerica Denver**  
4955 Yarrow Street  
Arvada, CO 80002  
Phone (303) 736-0100 Fax (303) 431-7171

## Chain of Custody Record



280-68837 Chain of Custody

TestAmerica

## THE LEADER IN ENVIRONMENTAL TESTING

Client Information			Lab PM:			Carrier Tracking No(s):			COC No:																				
Client Contact: Konrad Quast Company: Nonwest Corporation			Sampler: Stacey Wiseman Phone: 719-680-1807			Harrington, Danielle M E-Mail: danielle.harrington@testamericalnc.com			280-41828-16421.1																				
Address: 950 South Cherry Street Suite 800 City: Denver State, Zip: CO, 80246 Phone: 720-889-8123(Tel) Email: kquast@nonwestcorp.com Project Name: Petroglyph Site:			Due Date Requested: TAT Requested (days): PO #: Purchase Order Requested WO #: Project #: 28013273 SSOW#:			Analysis Requested			Page 1 of 1 Job #:																				
Sample Identification			Sample Date			Sample Time			Sample Type (C=Comp, G=grab)			Matrix (Wetwater, Sealed, On-wastefill)			Field Filtered Sample (Yes or No)			Perform MS/MSD (Yes or No)			20B SAR, pH, conductivity			Total Number of Containers			Special Instructions/Note:		
Lively Buffalo Wallows #1			5-5-2015			1039			C			Solid			N			N			1								
Lively Buffalo Wallows #1 Native			5-5-2015			1058			C			Solid			N			N			1								
Eugap Tank #1 SW Pond			5-5-2015			1139			C			Solid			N			N			1								
Temp Blank			5-5-2015			-			-			W																	
Possible Hazard Identification			Deliverable Requested: I, II, III, IV, Other (specify)			Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> Radiological <input type="checkbox"/>			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months			Special Instructions/QC Requirements:														
Empty Kit Relinquished by:			Date:			Time:			Method of Shipment:			Received by:			Date/Time:			Company:											
Relinquished by: Stacey Wiseman			5-5-2015 1600			Nonwest			Received by: [Signature]			950			06 May 15			TAD											
Relinquished by:			Date/Time:			Company:			Received by:			Date/Time:			Company:														
Relinquished by:			Date/Time:			Company:			Received by:			Date/Time:			Company:														
Custody Seals Intact: A Yes A No			Custody Seal No.:			7.3 BASTARZ			2.13 BASTARZ			06 May 15			Transfer by [Signature]														