

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Tallahassee  
2846 Industrial Plaza Drive  
Tallahassee, FL 32301  
Tel: (850)878-3994

TestAmerica Job ID: 640-39236-1  
Client Project/Site: Trail Ridge Landfill - Stormwater

For:  
Waste Management  
Trail Ridge Landfill  
5110 U.S.S Highway 301 S  
Baldwin, Florida 32234

Attn: Eric Parker



Authorized for release by:  
7/2/2012 3:08:46 PM

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### LINKS

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*The test results in this report meet all 2003 NELAP 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.*

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## Definitions/Glossary

Client: Waste Management  
Project/Site: Trail Ridge Landfill - Stormwater

TestAmerica Job ID: 640-39236-1

### Qualifiers

#### Metals

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

#### General Chemistry

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☆	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

## Case Narrative

Client: Waste Management  
Project/Site: Trail Ridge Landfill - Stormwater

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Laboratory: TestAmerica Tallahassee

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**Narrative**

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Job Narrative  
640-39236-1

**Comments**

No additional comments.

**Receipt**

The sample was received on 6/28/2012 11:35 AM; the sample arrived in good condition, properly preserved and, where required, on ice.  
The temperature of the cooler at receipt was 4.2° C.

**Metals**

No analytical or quality issues were noted.

**General Chemistry**

No analytical or quality issues were noted.

## Detection Summary

Client: Waste Management  
Project/Site: Trail Ridge Landfill - Stormwater

TestAmerica Job ID: 640-39236-1

Client Sample ID: Stormwater Pond 2\_062612

Lab Sample ID: 640-39236-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Iron	5.1		0.20	0.050	mg/L	1			6010B	Total Recoverable
Lead	0.045		0.010	0.0020	mg/L	1			6010B	Total Recoverable
Hardness as calcium carbonate	130		3.3	3.3	mg/L	1			SM 2340B	Total Recoverable
Calcium hardness as calcium carbonate	97		1.2	1.2	mg/L	1			SM 2340B	Total Recoverable
Magnesium hardness as calcium carbonate	33		2.1	2.1	mg/L	1			SM 2340B	Total Recoverable
Total Suspended Solids	150		2.4	2.4	mg/L	1			SM 2540D	Total/NA

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## Client Sample Results

Client: Waste Management  
Project/Site: Trail Ridge Landfill - Stormwater

TestAmerica Job ID: 640-39236-1

Client Sample ID: Stormwater Pond 2\_062612

Lab Sample ID: 640-39236-1

Date Collected: 06/26/12 11:30

Matrix: Water

Date Received: 06/28/12 11:35

### Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	5.1		0.20	0.050	mg/L		06/29/12 08:41	06/29/12 15:07	1
Lead	0.045		0.010	0.0020	mg/L		06/29/12 08:41	06/29/12 15:07	1



### Method: SM 2340B - Hardness, Calculation - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	130		3.3	3.3	mg/L			07/02/12 08:29	1
Calcium hardness as calcium carbonate	97		1.2	1.2	mg/L			07/02/12 08:29	1
Magnesium hardness as calcium carbonate	33		2.1	2.1	mg/L			07/02/12 08:29	1

### General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	150		2.4	2.4	mg/L			06/29/12 10:22	1

## QC Sample Results

Client: Waste Management  
Project/Site: Trail Ridge Landfill - Stormwater

TestAmerica Job ID: 640-39236-1

### Method: 6010B - Metals (ICP)

Lab Sample ID: MB 660-126094/1-A  
Matrix: Water  
Analysis Batch: 126106

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 126094

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.050	U	0.20	0.050	mg/L		06/29/12 08:41	06/29/12 13:34	1
Lead	0.0020	U	0.010	0.0020	mg/L		06/29/12 08:41	06/29/12 13:34	1

Lab Sample ID: LCS 660-126094/2-A  
Matrix: Water  
Analysis Batch: 126106

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 126094

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	1.00	1.02		mg/L		102	75 - 125
Lead	1.00	1.09		mg/L		109	75 - 125

### Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 660-126108/1  
Matrix: Water  
Analysis Batch: 126108

Client Sample ID: Method Blank  
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			06/29/12 10:22	1

Lab Sample ID: LCS 660-126108/2  
Matrix: Water  
Analysis Batch: 126108

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	100	96.4		mg/L		96	80 - 120

## Certification Summary

Client: Waste Management  
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Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tallahassee	Florida	NELAC	4	E81005
TestAmerica Tallahassee	Louisiana	NELAC	6	30663
TestAmerica Tallahassee	New Jersey	NELAC	2	FL012
TestAmerica Tallahassee	Oklahoma	State Program	6	9986
TestAmerica Tallahassee	Texas	NELAC	6	T104704459-11-2
TestAmerica Tallahassee	USDA	Federal		P330-08-00158
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	Federal		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



## Method Summary

Client: Waste Management  
Project/Site: Trail Ridge Landfill - Stormwater

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Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL TAM
SM 2340B	Hardness, Calculation	SM	TAL TAM
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL TAM

### Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

### Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

## Sample Summary

Client: Waste Management

TestAmerica Job ID: 640-39236-1

Project/Site: Trail Ridge Landfill - Stormwater

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
640-39236-1	Stormwater Pond 2_062612	Water	06/26/12 11:30	06/28/12 11:35



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7/2/2012