



August 12, 2011

Edward J. Schmalfeld, II, PE
Trail Ridge Landfill - Engineer
Trail Ridge Landfill, Inc.
5110 U.S. Highway 301 South
Baldwin, Florida 32234

RE: Stormwater Pond Lead Investigation – Sampling Results Review
AMEC Project No. 500065

Dear Mr. Schmalfeld:

AMEC-BCI Engineers & Scientists, Inc. (AMEC) has prepared this letter report to describe our efforts for Trail Ridge Landfill, Inc. (TRLI) regarding review of existing data for lead in water samples at the site, to conduct an additional sampling survey, and to review this data for evaluating the potential source of lead in Stormwater Pond #2 at the site.

Executive Summary

Recent detections of lead in stormwater above the applicable state of Florida criteria are being addressed by TRLI (calculated standard based on hardness). The suspected source of the lead is from a mixture of soil and ash accepted for disposal at the landfill from remediation projects conducted by the City of Jacksonville. Best Management Practices (BMPs) have been put into place by TRLI to prevent or limit additional unintended releases of lead into the stormwater system. AMEC reviewed existing data for lead in stormwater and conducted an additional sampling survey of soil, sediment, and water samples.

AMEC's sampling survey found total lead concentrations in soil and sediment samples from the landfill and its perimeter stormwater ditches to be consistent with background sample concentrations. Also, water samples from the stormwater ponds and the wetland system downstream of Stormwater Pond #2 had no detectable lead concentrations. Total lead concentrations were similar to background concentrations in the sediment at the inlets to Stormwater Pond #2 (the primary stormwater pond) and in the downstream wetland and stream. However, elevated lead concentrations were detected in a soil sample from the soil/ash stockpile and also sediment samples from the deeper portion of Stormwater Pond #2. Analysis by the

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Environment & Infrastructure
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Lakeland, Florida
USA 33803
Tel (863) 667-2345
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Synthetic Precipitation Leaching Procedure (SPLP) indicates that the lead in the soil/ash material and pond sediment is leachable.

The existing data and AMEC's results for water samples in Pond #2 indicate an overall decreasing trend of lead concentrations in stormwater. Taken as a whole, the data supports the conclusion that contamination is limited to the sediments of Pond #2 and elevated lead concentrations have not impacted downstream areas. The likely source of the contamination is historical runoff from lead contaminated ash and soils stockpiled and deposited on the landfill, which over time caused loading of lead to the stormwater pond sediments. The deeper bottom sediments are likely to be suspended during high energy runoff events, which can lead to elevated turbidity and water quality exceedances. Extensive rainfall in 2010 likely exacerbated the issue. The loading from the ash has been addressed through a series of BMPs and extensive controls have been implemented to limit erosion from the landfill. There is no indication of continuing loading of elevated lead to the pond from the landfill based on the sediment and surface water results from the stormwater conveyances. AMEC recommends that TRLI conduct further evaluation of management options for the contaminated sediments.

Introduction

Review of sample results from data collected during the period July 2010 through March 2011 indicated that lead concentrations greater than the applicable state of Florida criteria were detected in water samples from Stormwater Pond #2, the pond discharge, and in a wetland immediately downstream of the Stormwater Pond #2 at the Trail Ridge Landfill. The Florida Department of Environmental Protection (FDEP) was notified of these sampling results. Correspondence and verbal communications between the FDEP and TRLI personnel have focused on allowing TRLI to develop a plan for evaluating and correcting the problem.

Best Management Practices

AMEC discussed BMPs implemented by TRLI to manage the soil/ash stockpile. This information is relevant to understanding the history of managing this material within the landfill and also evaluating actions and strategies that may help prevent or limit future releases of lead into stormwater. TRLI's current BMPs relevant to management of the soil/ash material include the following items:

- TRLI constructed a 4-foot high berm around the entire perimeter of soil/ash stockpile area using clean soil that has been seeded and maintained for a grass cover.
- The interior portions are sloped to maintain drainage away from the truck entrance. Rainfall falling into and stormwater accumulating in the stockpile area does not escape but infiltrates into the landfill.

- Silt fencing was installed by Erosion Control Services, Inc. outside of the bermed stockpile area. A subsequent FDEP stormwater inspection was conducted and no issues were noted.
- Floating turbidity barriers were installed in the stormwater ponds.
- TRLI has taken actions to reduce sediment movement from the landfill including additional seeding on side slopes and internal areas and construction of temporary stormwater conveyance piping (“downcomers”) to drain runoff to the perimeter stormwater system. TRLI reports an increase in positive drainage from the landfill and reduced erosion.

Existing Data Review

Data collected in 2010 and 2011 by TRLI and its consultants are shown in Table 1 of **Attachment 1, Data**. Review of Table 1 indicates that the concentrations of total lead detected in Stormwater Pond #2 have ranged from <2.6 to 35 micrograms per liter (µg/L). Total lead concentrations in water flowing from the adjacent downstream wetland in samples collected were 1.4 and 1.8 µg/L in July 2010 and March 2011, respectively. The criteria regulating the maximum allowable concentration of lead in surface water is based on a calculation that includes the concentration of hardness. In accordance with FDEP Rule 62-302.500 F.A.C. regulating Surface Water Quality Standards, the measured concentration of lead in Class III fresh surface water is compared to the results from the following formula:

Pb standard (µg/L) = $e^{(1.273[\ln H] - 4.705)}$, where H is the hardness concentration as CaCO₃

Calculations for the applicable standards for lead are also shown in Table 1. It should be noted that hardness was not analyzed for the January 2011 sampling survey completed by TRLI. In order to calculate a comparison standard, AMEC determined the average of the hardness concentrations from the remaining pond sample results presented on Table 1. This value (158 µg/L) was used to calculate a comparison standard for that date. Review of the total lead data presented on Table 1 indicates that only the sample collected on June 26, 2011, did not exceed its calculated lead limit. Additional discussion of the existing data is provided below.

AMEC Sample Collection Activities and Results

Background soil samples, landfill cover samples, and water and sediment samples from the stormwater ditches and Ponds 1 and 2 were collected by AMEC on June 9, 2011, in accordance with Standard Operating Procedures (SOPs) as described in FDEP-SOP-001/01. The locations where the samples were collected are presented in **Attachment 2, Sample Location Maps**.

Samples collected by AMEC were submitted under chain-of-custody procedures to Test America, Inc. of Arvada, Colorado. The results of laboratory analyses were provided to TRLI and AMEC by Test America on June 22, 2011. Data from samples collected by AMEC are

presented in Table 2 and Table 3 of Attachment 1. The laboratory reports are included as Attachment 3, Laboratory Reports from Test America, Inc.

Background Sample Results - As shown on Figure 1, background soil samples SS-1, SS-2, and SS-3 were collected at locations distant from the landfill. Review of the total lead results shown on Table 3 indicates the concentrations ranged from 0.58 to 3.1 milligrams per kilogram (mg/Kg). The average concentration is 1.8 mg/Kg. These samples were also submitted for analyses by the Synthetic Precipitation Leaching Procedure (SPLP). Total lead was not detected using the SPLP test.

Soil Cover and Soil/Ash Samples - Soil sample locations, collected on the landfill, are presented on Figure 2, Attachment 2. Four samples, SS-4 through SS-7, were collected in order to evaluate lead concentrations in the soil cover, the soil/ash stockpiled from remediation (soil removal) projects at the city of Jacksonville ash disposal sites, and also sediment samples in the stormwater ditches and ponds. Total lead results from these samples are presented on Table 3, Attachment 1. Review of Table 3 indicates that landfill soil cover samples (SS-4 and SS-5) had total lead concentrations of 2.2 and 5.2 mg/Kg, respectively. These results, while slightly greater than the background concentration presented above, are similar to it.

Soil sample SS-6 was collected to evaluate the lead concentration from the soil/ash stockpile, and SS-7 the soil in the drainage conveyance adjacent to a landfill haul road near the soil/ash stockpile. Review of Table 3 indicates that sample SS-6 had the highest concentration of lead (140 mg/Kg) of any of the soil samples. This concentration is lower than the maximum allowable concentration for lead based on the commercial/industrial direct exposure standard in FDEP Rule 62-777, F.A.C. which is 1,400 mg/Kg.

Review of the drainage conveyance sample adjacent to the landfill haul road, sample SS-7, indicated a lead concentration of 4.6 mg/Kg. This concentration is also similar to the landfill cover and background sample results.

Sediment Samples - Sediment sample Sed-8 through Sed-11 sample locations are presented on Figures 2 and 3, Attachment 1. The samples were collected in the stormwater conveyances around the landfill and in the sediment deltas leading into Stormwater Pond #2 formed from soil and sediment transport off of the landfill. Review of Table 3 for these samples indicates that a range of lead concentrations were from 1.9 to 13 mg/Kg. The highest lead concentration was detected from a sediment sample collected at a depth of 1-foot below grade.

Sediment samples Sed-16 (wetland downstream of Pond #2), Sed-18 (Pond #1), and Sed-20 (the stream upstream of the landfill entrance road) lead concentrations ranged from 0.8 to 2.9 mg/Kg. Sediment samples from the deeper parts of Pond #2, Sed-12 (water depth of 12 feet) and Sed-14 (water depth of 15 feet), had lead concentrations of 270 and 200 mg/Kg, respectively.

Water Samples - Review of the total and dissolved lead concentrations in water samples collected by AMEC presented on Table 2 indicates that they were all below method detection limits (<2.6 µg/L). Additional review of Table 2 indicates that:

- Iron concentrations were an order of magnitude lower than most of the existing data results shown in Table 1.
- Turbidity values were relatively low with a maximum of 20 NTU, as were total suspended solids (TSS) with concentrations up to 17 mg/L.
- Values for pH and specific conductance were generally higher than the values presented on Table 1. The pH concentrations for samples collected by AMEC ranged from 7.9 to 8.3, and conductivity ranged from 269 to 526 $\mu\text{S}/\text{cm}$.

Discussion of Results and Conclusions

Review of the data presented on Tables 1 and 2 generally indicate a correlation between various water quality parameters and lead, in particular turbidity. Graphical presentations of most of the non-lead data, e.g., turbidity and pH, compared to lead were prepared to assist in this evaluation and are presented in **Attachment 4, Data Comparison Graphs**. Graphical presentation of the trend for lead concentrations in water samples is presented in **Attachment 5, Lead Concentration Trend in Stormwater**.

Review of Attachment 4 indicates that a clear, nearly straight line relationship exists in the data set between turbidity values and lead concentrations. The turbidity during the events in which lead was above the calculated standard ranged from 79.8 to 172 NTU compared to turbidity values of 7 and 9 NTU in this study for which lead was below detection. This observation is consistent with AMEC's experience, in that many metals concentrations are increased or exasperated by sample turbidity. Review of the TSS graph also shows a general trend of higher lead concentration given a higher TSS concentration; however, the relationship is not as direct as seen for lead and turbidity. Some accounts in the literature have stated that lead is generally soluble in acidic and low hardness water. The graph that includes pH (Figure 1) does not provide a clear correlation to confirm this.

The trend of total lead concentrations in stormwater, presented in Attachment 5, is downward. Recent sampling survey results are below laboratory method detection limits ($<2.6 \mu\text{g}/\text{L}$).

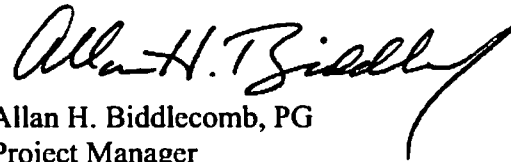
Review of the lead analytical results indicate elevated lead concentrations, as compared to background samples, in the soil/ash sampled in the stockpile area on top of the landfill and in the deep water sediments of Stormwater Pond #2. From discussions with TRLI personnel, we understand that the stockpile area on top of the landfill has been the main holding location for the soil/ash material and that this material has been used for daily cover and other uses requiring soil at the top of the landfill.

The existing data and AMEC's results for water samples in Pond #2 indicate an overall decreasing trend of lead concentrations in stormwater. Taken as a whole, the data supports the conclusion that contamination is limited to the sediments of Pond #2 and have not impacted downstream areas. The likely source of the contamination is historical runoff from lead contaminated ash and soils stockpiled and deposited on the landfill, which over time caused

loading of lead to the storm water pond sediments. The deeper bottom sediments are suspended during high energy runoff events, which can lead to elevated turbidity and water quality exceedances. Extensive rainfall in 2010 likely exacerbated the issue. The loading from the ash has been addressed through a series of BMPs and extensive controls have been implemented to limit erosion from the landfill. There is no indication of continuing loading to the pond from the landfill based on the sediment and surface water results from the stormwater conveyances. AMEC recommends the site conduct further evaluation of management options for the contaminated sediments.

We appreciate the opportunity to assist TRLI with this project and provide services for your engineering and environmental needs. Please do not hesitate to call me at 863.640.1785 should you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Allan H. Biddlecomb", with a long, sweeping flourish extending from the end of the name.

Allan H. Biddlecomb, PG
Project Manager

Attachments

ATTACHMENT 1

Data

Table 1.
Historical Surface Water Quality Data Collected by TRLI and TRLI Consultants

	Hardness as CaCO3	Lead, Total Recoverable	Lead, Total Calculated	Lead, Limit	Total Dissolved Solids	Total Suspended Solids	Turbidity (Lab)	Temperature (Field)	pH (Field)	Specific Conductance (Field)	Turbidity (Field)	D.O. (Field)	Calculated Standard for Lead Pb <= 0.177 mg/L - 4.760
Standard (62-302.530 FAC)	mg/L	1000	see calculated limit	0	mg/L	mg/L	5.29	mg	mg	µS/cm	NTU	mg/L	(1.273*10 ⁻⁴ H)- 4.705
Unit	mg/L	pp/L	pp/L	pp/L	mg/L	mg/L	NTU	degrees C	su	µS/cm	NTU	mg/L	4.760
Background Sample													
Background**	7/21/2010	8.9	<0.3	0.5	55	30	-	28.3	5.24	61	3.9	4.6	-0.6074
Background	3/23/2011	8.8	<0.57	0.5	58	43	6.0	18.3	5.24	57	6.0	5.2	-0.6074
Stormwater Pond #2													
Pond #2**	7/21/2010	144	32.1	5.1	303	112	0	31.6	7.83	425	172	6.7	1.6216
Pond #2**	11/11/2010	154	1810	5.5	330	8.0	-	17.4	6.83	415	79.8	3.3	1.7070
Pond #2, 1st Sample***	1/26/2011	-	3800	5.7****	0	110	-	-	-	-	-	-	1.7397
Pond #2, 2nd Sample***	1/26/2011	-	3600	5.7****	0	56	-	-	-	-	-	-	1.7397
Pond #2***	2/3/2011	160	0	5.8	18	18	-	-	-	-	-	-	1.7537
Pond #2	3/23/2011	150	1800	5.3	330	18	89.4	20.9	7.51	393	89.4	4.2	1.6735
Pond #2***	6/29/2011	180	22	<0.6	6.7	6.0	-	-	-	-	-	-	1.9056
Wetland													
Wetland	3/23/2011	37	1800	1.8	0.9	190	6.1	29.8	6.29	126	6.1	4.2	-0.1083
Wetland**	7/21/2010	12.8	3450	1.4	0.5	161	-	27.1	4.41	93	1.7	3.7	-0.6074

Notes:

- Not Sampled
- ns No Standard
- 0 Standard is a calculated limit using hardness as described in 62-302.530 FAC. For Hardness <5, use 25 mg/L in calculation. For Hardness >400 mg/L, use 400 mg/L.
- ** Data from reports downloaded from DEP OCCULUS.
- *** Pond discharge grab sample.
- **** Calculated using the average Hardness concentration for the five other samples from the pond (158 mg/L).

Table 2.
Surface Water Quality Data Collected by AMEC, June 9, 2011

	Alkalinity, Total (as CaCO ₃)	Hardness (as CaCO ₃)	Iron, Total Recoverable	Iron, Dissolved	Lead, Total Recoverable	Lead, Dissolved	Lead, Calculated Limit*	Total Dissolved Solids	Total Suspended Solids	Turbidity (Lab)	Temperatur e (Field)	pH (Field)	Specific Conductanc e (Field)	Turbidity (Field)	D.O. (Field)	Calculated Standard for Lead Pb <= $(1.273 \text{ [InH]} - 4.705)$		
Standard (62- 302.530 FAC)	≤ 20	ns	1000	1000	see calculated limit	see calculated limit	*	ns	ns	≤ 29	ns	ns	ns	≤ 29	ns	InH	$(1.273 \cdot \text{InH}) - 4.705$	$e^{(1.273 \cdot \text{InH}) - 4.705}$
Unit	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	NTU	degrees C	su	µS/cm	NTU	mg/L			
SW-13	180	170	100	76	<2.6	<2.6	6.25	290	5.2	3.2	28.53	8.30	526	9	8.81	5.1358	1.8329	6.25
SW-15	180	170	79	68	<2.6	<2.6	6.25	290	2.8	2.9	28.32	8.24	525	7	8.30	5.1358	1.8329	6.25
SW-15 DUP	180	160	79	73	<2.6	<2.6	5.79	290	2.4	3.0	28.32	8.24	525	7	8.30	5.0752	1.7557	5.79
SW-17	190	170	180	140	<2.6	<2.6	6.25	310	17	6.5	22.25	7.90	478	12	6.31	5.1358	1.8329	6.25
SW-19	110	110	400	320	<2.6	<2.6	3.59	140	8.8	9.1	28.96	8.30	269	20	5.43	4.7005	1.2787	3.59

Notes:

ns No Standard.

- * Standard is a calculated limit using hardness as described in 62-302.500 FAC. For Hardness <25, use 25 mg/L in calculation. For Hardness >400 mg/L, use 400 mg/L.

Table 3.
Sediment and Soil Data Collected by AMEC, June 9, 2011

	Lead, Total	Lead, SPLP
Standard (61-777 FAC)	1400*	
Units	mg/Kg	mg/Kg
SS-1	0.58	<2.6
SS-2	1.8	<2.6
SS-3	3.1	<2.6
SS-4	2.2	6.8
SS-5	5.2	22
SS-6	140	84
SS-7	4.6	14
SED-8	2.5	12
SED-9	1.9	9.1
SED-10	2.1	3.9
SED-11	2.4	3.4
SED-11 01'	13	15
SED-12	270	210
SED-14	200	220
SED-16	2.9	18
SED-18	0.80	7.0
SED-20	1.0	<2.6

Notes:

- Commercial / Industrial Direct Exposure Standard.
Residential Standard = 400 mg/Kg.

ATTACHMENT 2

Sample Location Maps

Figure 1. AMEC Background Soil Sample Locations.

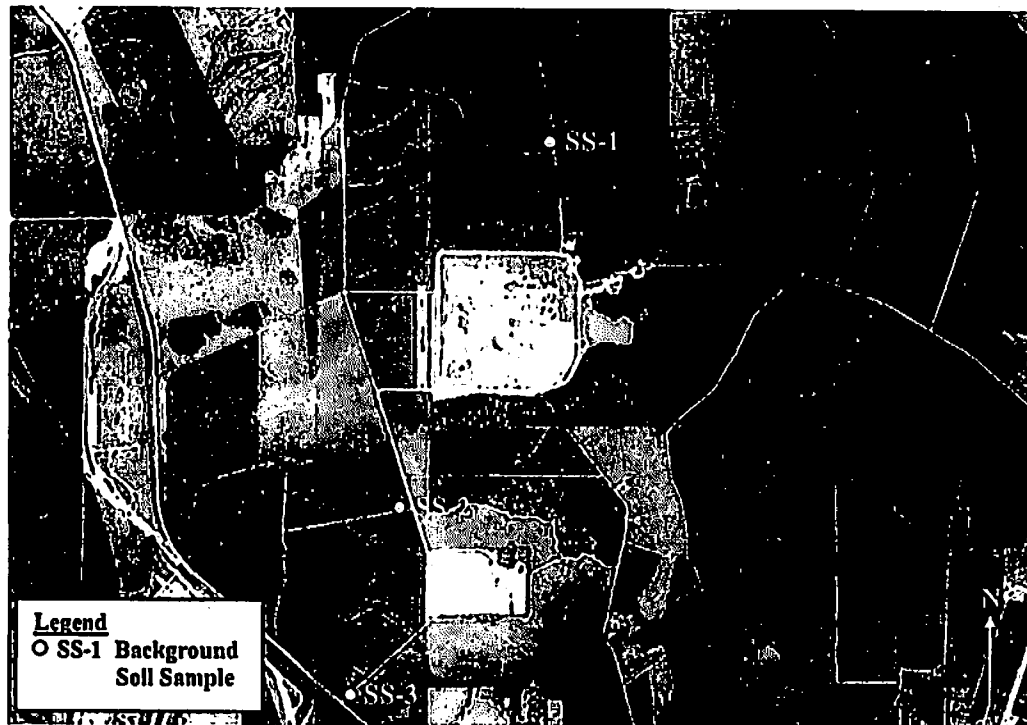


Figure 2. Trail Ridge Landfill and AMEC Sample Locations.

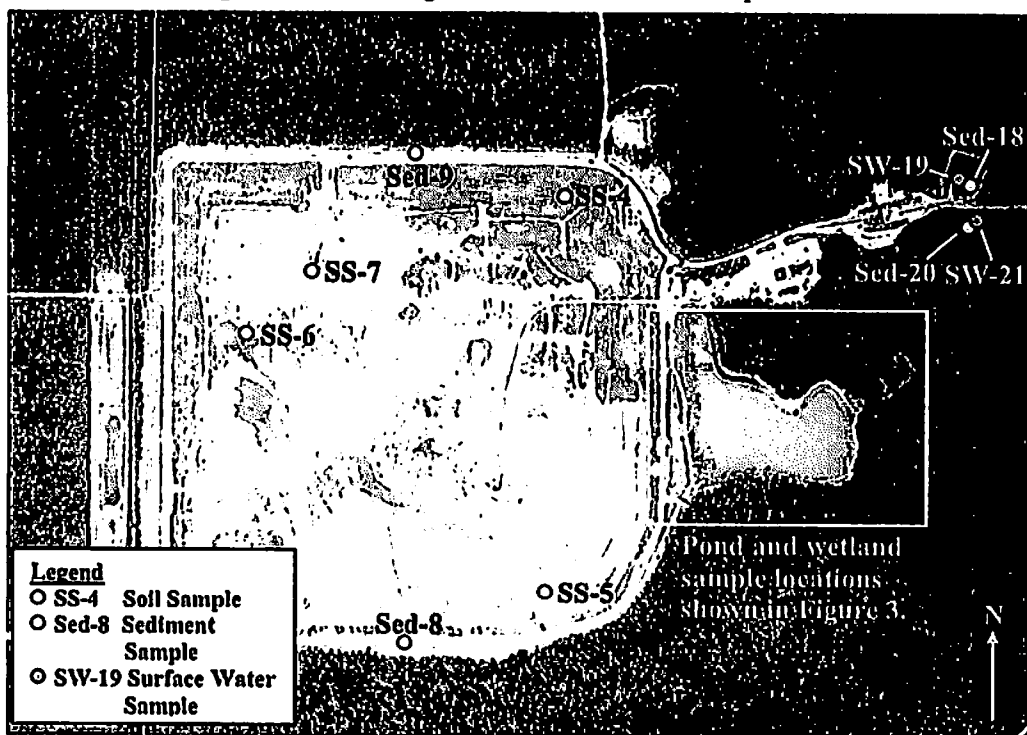
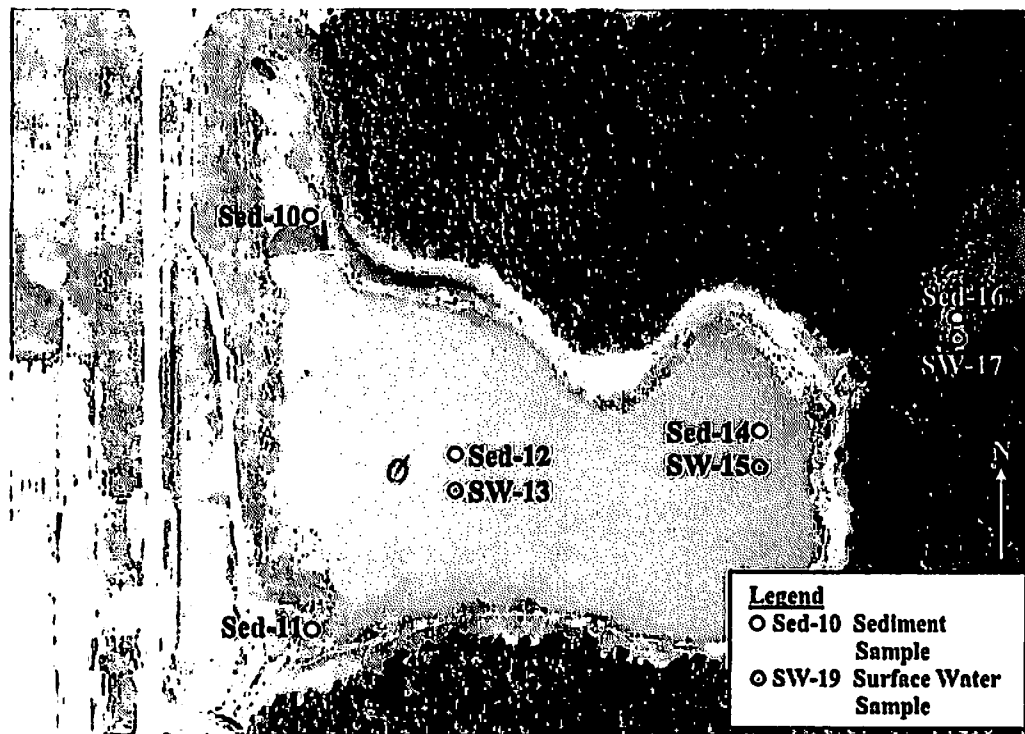


Figure 3. Stormwater Pond #2 and AMEC Sample Locations.



ATTACHMENT 3

Laboratory Reports from Test America, Inc.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-16867-1
Client Project/Site: FL11|Trail Ridge

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

Attn: Eric Parker

Danielle Harrington

Authorized for release by:
06/22/2011 10:56:04 AM

Danielle Harrington
Project Manager I
danielle.harrington@testamericainc.com

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Expert**

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www.testamericainc.com

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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.



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Method Summary	7
Sample Summary	8
Client Sample Results	9
QC Sample Results	16
QC Association Summary	18
Lab Chronicle	21
Chain of Custody	26
Receipt Checklists	28

Definitions/Glossary

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Qualifiers

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
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.
D	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

3

Case Narrative

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Job ID: 280-16867-1

Laboratory: TestAmerica Denver



Narrative

CASE NARRATIVE

Client: Waste Management

Project: Trail Ridge

Report Number: 280-16867-1

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.

This report may include reporting limits (RLs) less than TestAmerica's standard reporting limit. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

This submission may contain field data obtained by the sampler. The methods referenced in this submission for the field data results may not be the methods used to obtain the field data by the sampler.

RECEIPT

Twenty-two samples were received on 06/11/2011 at TestAmerica Denver with a cooler temperature of 0.1C.

Please note, sample SED-11 01' and SED-8 (DUP) were received but not listed on the chain of custody. These samples have been logged for the requested analyses. Also, a 8oz jar for sample SED-8(DUP) was received broken. There is still enough sample volume to proceed with the requested analyses. Client was notified on 06/13/2011.

All other sample bottles were received in acceptable condition.

HOLDING TIMES

All Holding Times were met.

METHOD BLANKS

All Method Blanks were within the acceptance limits.

LABORATORY CONTROL SAMPLES (LCS)

All Laboratory Control Samples were within the acceptance limits.

MATRIX SPIKE (MS) and MATRIX SPIKE DUPLICATES (MSD)

All Matrix Spike and Matrix Spike Duplicates were within the acceptance limits.

Detection Summary

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Client Sample ID: SS-1

Lab Sample ID: 280-16867-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.58	I	0.79	0.27	mg/Kg	1	0	6010B	Total/NA

Client Sample ID: SS-2

Lab Sample ID: 280-16867-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.8		0.97	0.33	mg/Kg	1	0	6010B	Total/NA

Client Sample ID: SS-2(DUP)

Lab Sample ID: 280-16867-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.3		0.84	0.28	mg/Kg	1	0	6010B	Total/NA

Client Sample ID: SS-3

Lab Sample ID: 280-16867-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.1		0.88	0.30	mg/Kg	1	0	6010B	Total/NA

Client Sample ID: SS-4

Lab Sample ID: 280-16867-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.2		0.78	0.28	mg/Kg	1	0	6010B	Total/NA
Lead	8.8	I	9.0	2.6	ug/L	1		6010B	SPLP East

Client Sample ID: SS-5

Lab Sample ID: 280-16867-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	5.2		0.84	0.32	mg/Kg	1	0	6010B	Total/NA
Lead	22		9.0	2.6	ug/L	1		6010B	SPLP East

Client Sample ID: SS-6

Lab Sample ID: 280-16867-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	140		0.73	0.25	mg/Kg	1	0	6010B	Total/NA
Lead	84		9.0	2.6	ug/L	1		6010B	SPLP East

Client Sample ID: SS-7

Lab Sample ID: 280-16867-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.6		0.84	0.28	mg/Kg	1	0	6010B	Total/NA
Lead	14		9.0	2.6	ug/L	1		6010B	SPLP East

Client Sample ID: SED-8

Lab Sample ID: 280-16867-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.5		0.94	0.32	mg/Kg	1	0	6010B	Total/NA
Lead	12		9.0	2.6	ug/L	1		6010B	SPLP East

Client Sample ID: SED-9

Lab Sample ID: 280-16867-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.9		0.76	0.26	mg/Kg	1	0	6010B	Total/NA
Lead	8.1		9.0	2.6	ug/L	1		6010B	SPLP East

5

Detection Summary

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Client Sample ID: SED-10

Lab Sample ID: 280-16867-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.1		0.83	0.28	mg/Kg	1	□	6010B	Total/NA
Lead	3.9	I	9.0	2.6	ug/L	1		6010B	SPLP East

Client Sample ID: SED-11

Lab Sample ID: 280-16867-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.4		0.95	0.32	mg/Kg	1	□	6010B	Total/NA
Lead	3.4	I	9.0	2.6	ug/L	1		6010B	SPLP East

Client Sample ID: SED-12

Lab Sample ID: 280-16867-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	270		1.6	0.54	mg/Kg	1	□	6010B	Total/NA
Lead	210		9.0	2.6	ug/L	1		6010B	SPLP East

Client Sample ID: SED-14

Lab Sample ID: 280-16867-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	200		1.9	0.64	mg/Kg	1	□	6010B	Total/NA
Lead	220		9.0	2.6	ug/L	1		6010B	SPLP East

Client Sample ID: SED-16

Lab Sample ID: 280-16867-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.9		0.89	0.30	mg/Kg	1	□	6010B	Total/NA
Lead	18		9.0	2.6	ug/L	1		6010B	SPLP East

Client Sample ID: SED-18

Lab Sample ID: 280-16867-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.80	I	0.85	0.28	mg/Kg	1	□	6010B	Total/NA
Lead	7.0	I	9.0	2.6	ug/L	1		6010B	SPLP East

Client Sample ID: SED-20

Lab Sample ID: 280-16867-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.0		0.81	0.27	mg/Kg	1	□	6010B	Total/NA

Client Sample ID: SED-11 01'

Lab Sample ID: 280-16867-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	13		0.88	0.30	mg/Kg	1	□	6010B	Total/NA
Lead	15		9.0	2.6	ug/L	1		6010B	SPLP East

Client Sample ID: SED-8(DUP)

Lab Sample ID: 280-16867-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.1		0.91	0.31	mg/Kg	1	□	6010B	Total/NA
Lead	14		9.0	2.6	ug/L	1		6010B	SPLP East

5

Method Summary

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL DEN
Moisture	Percent Moisture	EPA	TAL DEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1988 And Its Updates.

Laboratory References:

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



Sample Summary

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-16867-4	SS-1	Solid	08/09/11 08:07	08/11/11 08:30
280-16867-5	SS-2	Solid	08/09/11 08:23	08/11/11 08:30
280-16867-6	SS-2(DUP)	Solid	08/09/11 08:24	08/11/11 08:30
280-16867-7	SS-3	Solid	08/09/11 08:35	08/11/11 08:30
280-16867-8	SS-4	Solid	08/09/11 11:04	08/11/11 08:30
280-16867-9	SS-5	Solid	08/09/11 09:11	08/11/11 08:30
280-16867-10	SS-6	Solid	08/09/11 11:21	08/11/11 08:30
280-16867-11	SS-7	Solid	08/09/11 11:32	08/11/11 08:30
280-16867-12	SED-8	Solid	08/09/11 09:01	08/11/11 08:30
280-16867-13	SED-9	Solid	08/09/11 11:13	08/11/11 08:30
280-16867-14	SED-10	Solid	08/09/11 10:58	08/11/11 08:30
280-16867-15	SED-11	Solid	08/09/11 09:25	08/11/11 08:30
280-16867-16	SED-12	Solid	08/09/11 10:23	08/11/11 08:30
280-16867-17	SED-14	Solid	08/09/11 10:50	08/11/11 08:30
280-16867-18	SED-16	Solid	08/09/11 09:50	08/11/11 08:30
280-16867-19	SED-18	Solid	08/09/11 11:45	08/11/11 08:30
280-16867-20	SED-20	Solid	08/09/11 11:55	08/11/11 08:30
280-16867-21	SED-11 01'	Solid	08/09/11 09:28	08/11/11 08:30
280-16867-22	SED-8(DUP)	Solid	08/09/11 09:02	08/11/11 08:30



Client Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Method: 6010B - Metals (ICP)

Client Sample ID: SS-1						Lab Sample ID: 280-16867-4		
Date Collected: 06/09/11 08:07						Matrix: Solid		
Date Received: 06/11/11 08:30						Percent Solids: 94.1		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Lead	0.58	1	0.79	0.27	mg/Kg	0	08/14/11 15:00	08/15/11 19:05
								Dil Fac
								1
Client Sample ID: SS-2						Lab Sample ID: 280-16867-5		
Date Collected: 06/09/11 08:23						Matrix: Solid		
Date Received: 06/11/11 08:30						Percent Solids: 75.1		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Lead	1.8		0.97	0.33	mg/Kg	0	08/14/11 16:00	08/15/11 19:15
								Dil Fac
								1
Client Sample ID: SS-2(DUP)						Lab Sample ID: 280-16867-6		
Date Collected: 06/09/11 08:24						Matrix: Solid		
Date Received: 06/11/11 08:30						Percent Solids: 86.5		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Lead	1.3		0.84	0.28	mg/Kg	0	08/14/11 15:00	08/15/11 19:17
								Dil Fac
								1
Client Sample ID: SS-3						Lab Sample ID: 280-16867-7		
Date Collected: 06/09/11 08:35						Matrix: Solid		
Date Received: 06/11/11 08:30						Percent Solids: 82.9		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Lead	3.1		0.88	0.30	mg/Kg	0	08/14/11 15:00	08/15/11 19:30
								Dil Fac
								1
Client Sample ID: SS-4						Lab Sample ID: 280-16867-8		
Date Collected: 06/09/11 11:04						Matrix: Solid		
Date Received: 06/11/11 08:30						Percent Solids: 95.9		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Lead	2.2		0.78	0.28	mg/Kg	0	08/14/11 15:00	08/15/11 19:32
								Dil Fac
								1
Client Sample ID: SS-5						Lab Sample ID: 280-16867-9		
Date Collected: 06/09/11 09:11						Matrix: Solid		
Date Received: 06/11/11 08:30						Percent Solids: 74.3		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Lead	5.2		0.94	0.32	mg/Kg	0	08/14/11 15:00	08/15/11 19:35
								Dil Fac
								1
Client Sample ID: SS-6						Lab Sample ID: 280-16867-10		
Date Collected: 06/09/11 11:21						Matrix: Solid		
Date Received: 06/11/11 08:30						Percent Solids: 98.0		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Lead	140		0.73	0.25	mg/Kg	0	08/14/11 15:00	08/15/11 19:38
								Dil Fac
								1
Client Sample ID: SS-7						Lab Sample ID: 280-16867-11		
Date Collected: 06/09/11 11:32						Matrix: Solid		
Date Received: 06/11/11 08:30						Percent Solids: 84.4		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Lead	4.6		0.84	0.28	mg/Kg	0	08/14/11 15:00	08/15/11 19:40
								Dil Fac
								1
Client Sample ID: SED-8						Lab Sample ID: 280-16867-12		
Date Collected: 06/09/11 09:01						Matrix: Solid		
Date Received: 06/11/11 08:30						Percent Solids: 80.8		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Lead	2.5		0.94	0.32	mg/Kg	0	08/14/11 15:00	08/15/11 19:42
								Dil Fac
								1

8

Client Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Method: 6010B - Metals (ICP)

Client Sample ID: SED-9
Date Collected: 06/09/11 11:13
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-13
Matrix: Solid
Percent Solids: 93.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.9		0.76	0.26	mg/Kg	0	06/14/11 16:00	06/15/11 19:45	1

Client Sample ID: SED-10
Date Collected: 06/09/11 10:58
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-14
Matrix: Solid
Percent Solids: 84.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.1		0.83	0.28	mg/Kg	0	06/14/11 15:00	06/15/11 19:48	1

Client Sample ID: SED-11
Date Collected: 06/09/11 09:25
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-15
Matrix: Solid
Percent Solids: 78.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.4		0.95	0.32	mg/Kg	0	06/14/11 15:00	06/15/11 20:00	1

Client Sample ID: SED-12
Date Collected: 06/09/11 10:23
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-16
Matrix: Solid
Percent Solids: 44.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	270		1.6	0.54	mg/Kg	0	06/14/11 15:00	06/15/11 20:02	1

Client Sample ID: SED-14
Date Collected: 06/09/11 10:50
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-17
Matrix: Solid
Percent Solids: 40.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	200		1.9	0.64	mg/Kg	0	06/14/11 15:00	06/15/11 20:05	1

Client Sample ID: SED-16
Date Collected: 06/09/11 09:50
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-18
Matrix: Solid
Percent Solids: 86.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.9		0.89	0.30	mg/Kg	0	06/14/11 15:00	06/15/11 20:07	1

Client Sample ID: SED-18
Date Collected: 06/09/11 11:45
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-19
Matrix: Solid
Percent Solids: 82.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.80		0.85	0.29	mg/Kg	0	06/14/11 15:00	06/15/11 20:10	1

Client Sample ID: SED-20
Date Collected: 06/09/11 11:55
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-20
Matrix: Solid
Percent Solids: 95.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.0		0.81	0.27	mg/Kg	0	06/14/11 15:00	06/15/11 20:12	1

Client Sample ID: SED-11 01'
Date Collected: 06/09/11 09:26
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-21
Matrix: Solid
Percent Solids: 79.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	13		0.88	0.30	mg/Kg	0	06/14/11 15:00	06/15/11 20:15	1

TestAmerica Denver

Client Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Method: 6010B - Metals (ICP)

Client Sample ID: SED-8(DUP)
Date Collected: 06/09/11 09:02
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-22
Matrix: Solid
Percent Solids: 78.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.1		0.91	0.31	mg/Kg	0	06/14/11 16:00	06/15/11 20:17	1

Method: 6010B - Metals (ICP) - SPLP East

Client Sample ID: SS-1
Date Collected: 06/09/11 08:07
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6	U	9.0	2.6	ug/L		06/16/11 15:00	06/17/11 23:50	1

Client Sample ID: SS-2
Date Collected: 06/09/11 08:23
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6	U	9.0	2.6	ug/L		06/16/11 15:00	06/17/11 23:53	1

Client Sample ID: SS-2(DUP)
Date Collected: 06/09/11 08:24
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6	U	9.0	2.6	ug/L		06/16/11 15:00	06/17/11 23:58	1

Client Sample ID: SS-3
Date Collected: 06/09/11 08:35
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6	U	9.0	2.6	ug/L		06/16/11 15:00	06/17/11 23:58	1

Client Sample ID: SS-4
Date Collected: 06/09/11 11:04
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.8	I	9.0	2.6	ug/L		06/16/11 15:00	06/18/11 00:01	1

Client Sample ID: SS-5
Date Collected: 06/09/11 09:11
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	22		9.0	2.6	ug/L		06/16/11 15:00	06/18/11 00:03	1

Client Sample ID: SS-6
Date Collected: 06/09/11 11:21
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	84		9.0	2.6	ug/L		06/16/11 15:00	06/18/11 00:16	1

Client Sample ID: SS-7
Date Collected: 06/09/11 11:32
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		9.0	2.6	ug/L		06/16/11 15:00	06/18/11 00:18	1

Client Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Method: 6010B - Metals (ICP) - SPLP East

Client Sample ID: SED-8

Date Collected: 06/09/11 09:01

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-12

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		9.0	2.6	ug/L		06/16/11 15:00	06/18/11 00:21	1

Client Sample ID: SED-9

Date Collected: 06/09/11 11:13

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-13

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.1		9.0	2.6	ug/L		06/16/11 15:00	06/18/11 00:23	1



Client Sample ID: SED-10

Date Collected: 06/09/11 10:58

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-14

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.9	I	9.0	2.6	ug/L		06/16/11 15:00	06/18/11 00:26	1

Client Sample ID: SED-11

Date Collected: 06/09/11 09:25

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-15

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.4	I	9.0	2.6	ug/L		06/16/11 15:00	06/18/11 00:29	1

Client Sample ID: SED-12

Date Collected: 06/09/11 10:23

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-16

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	210		9.0	2.6	ug/L		06/16/11 15:00	06/18/11 00:31	1

Client Sample ID: SED-14

Date Collected: 06/09/11 10:50

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-17

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	220		9.0	2.6	ug/L		06/16/11 15:00	06/18/11 00:43	1

Client Sample ID: SED-16

Date Collected: 06/09/11 09:50

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-18

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18		9.0	2.6	ug/L		06/16/11 15:00	06/18/11 00:46	1

Client Sample ID: SED-18

Date Collected: 06/09/11 11:45

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-19

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.0	I	9.0	2.6	ug/L		06/16/11 15:00	06/18/11 00:48	1

Client Sample ID: SED-20

Date Collected: 06/09/11 11:55

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-20

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6	U	9.0	2.6	ug/L		06/16/11 15:00	06/18/11 00:51	1

TestAmerica Denver

06/22/2011

Client Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Method: 6010B - Metals (ICP) - SPLP East

Client Sample ID: SED-11 01'

Date Collected: 06/09/11 09:26

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-21

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15		9.0	2.6	ug/L		06/16/11 15:00	06/16/11 00:54	1

Client Sample ID: SED-8(DUP)

Date Collected: 06/09/11 09:02

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-22

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		9.0	2.6	ug/L		06/16/11 15:00	06/16/11 00:56	1

General Chemistry

Client Sample ID: SS-1

Date Collected: 06/09/11 08:07

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-4

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.9		0.10	0.10	%			08/13/11 11:23	1

Client Sample ID: SS-2

Date Collected: 06/09/11 08:23

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-5

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	25		0.10	0.10	%			08/13/11 11:23	1

Client Sample ID: SS-2(DUP)

Date Collected: 06/09/11 08:24

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-6

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		0.10	0.10	%			08/13/11 11:23	1

Client Sample ID: SS-3

Date Collected: 06/09/11 08:35

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-7

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		0.10	0.10	%			08/13/11 11:23	1

Client Sample ID: SS-4

Date Collected: 06/09/11 11:04

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-8

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.1		0.10	0.10	%			08/13/11 11:23	1

Client Sample ID: SS-5

Date Collected: 06/09/11 09:11

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-9

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	26		0.10	0.10	%			08/13/11 11:23	1

Client Sample ID: SS-6

Date Collected: 06/09/11 11:21

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-10

Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	2.0		0.10	0.10	%			08/13/11 11:23	1

Client Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

General Chemistry

Client Sample ID: SS-7
Date Collected: 06/09/11 11:32
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-11
Matrix: Solid

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		0.10	0.10 %			06/13/11 11:23	1

Client Sample ID: SED-8
Date Collected: 06/09/11 09:01
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-12
Matrix: Solid

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		0.10	0.10 %			06/13/11 11:23	1

Client Sample ID: SED-9
Date Collected: 06/09/11 11:13
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-13
Matrix: Solid

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.8		0.10	0.10 %			06/13/11 11:23	1

Client Sample ID: SED-10
Date Collected: 06/09/11 10:58
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-14
Matrix: Solid

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		0.10	0.10 %			06/13/11 11:23	1

Client Sample ID: SED-11
Date Collected: 06/09/11 09:25
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-15
Matrix: Solid

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		0.10	0.10 %			06/13/11 11:23	1

Client Sample ID: SED-12
Date Collected: 06/09/11 10:23
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-16
Matrix: Solid

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	56		0.10	0.10 %			06/13/11 11:23	1

Client Sample ID: SED-14
Date Collected: 06/09/11 10:50
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-17
Matrix: Solid

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	60		0.10	0.10 %			06/13/11 11:23	1

Client Sample ID: SED-16
Date Collected: 06/09/11 09:50
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-18
Matrix: Solid

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		0.10	0.10 %			06/13/11 11:23	1

Client Sample ID: SED-18
Date Collected: 06/09/11 11:45
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-19
Matrix: Solid

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		0.10	0.10 %			06/13/11 11:23	1

TestAmerica Denver
06/22/2011

Client Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

General Chemistry

Client Sample ID: SED-20
Date Collected: 06/09/11 11:55
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-20
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.5		0.10	0.10	%			06/13/11 11:23	1

Client Sample ID: SED-11 01'
Date Collected: 06/09/11 09:26
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-21
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		0.10	0.10	%			06/13/11 11:23	1

Client Sample ID: SED-8(DUP)
Date Collected: 06/09/11 09:02
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-22
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		0.10	0.10	%			06/13/11 11:23	1

8

QC Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 280-71690/1-A
Matrix: Solid
Analysis Batch: 72223

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71690

Analyte	MB MB Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.27 U	0.80	0.27	mg/Kg		06/14/11 16:00	06/15/11 19:00	1

Lab Sample ID: LCS 280-71690/2-A
Matrix: Solid
Analysis Batch: 72223

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71690

Analyte	Spike Added	LCS LCS Result Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	50.0	49.0	mg/Kg		98	86 - 110

Lab Sample ID: 280-16867-4 MS
Matrix: Solid
Analysis Batch: 72223

Client Sample ID: SS-1
Prep Type: Total/NA
Prep Batch: 71690

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS Result Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	0.58	I	50.1	49.9	mg/Kg	0	98	70 - 200

Lab Sample ID: 280-16867-4 MSD
Matrix: Solid
Analysis Batch: 72223

Client Sample ID: SS-1
Prep Type: Total/NA
Prep Batch: 71690

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD Result Qualifier	Unit	D	% Rec	% Rec. Limits	RPD Limit
Lead	0.58	I	48.8	48.9	mg/Kg	0	99	70 - 200	2 20

Lab Sample ID: LB 280-71973/1-B LB
Matrix: Solid
Analysis Batch: 72803

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 72240

Analyte	LB LB Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6 U	9.0	2.6	ug/L		06/16/11 16:00	06/17/11 23:46	1

Lab Sample ID: LCS 280-71973/2-B
Matrix: Solid
Analysis Batch: 72803

Client Sample ID: Lab Control Sample
Prep Type: SPLP East
Prep Batch: 72240

Analyte	Spike Added	LCS LCS Result Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	5500	5670	ug/L		103	89 - 110

Lab Sample ID: 280-16867-22 MS
Matrix: Solid
Analysis Batch: 72803

Client Sample ID: SED-8(DUP)
Prep Type: SPLP East
Prep Batch: 72240

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS Result Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	14		5500	5630	ug/L		102	80 - 120

Lab Sample ID: 280-16867-22 MSD
Matrix: Solid
Analysis Batch: 72803

Client Sample ID: SED-8(DUP)
Prep Type: SPLP East
Prep Batch: 72240

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD Result Qualifier	Unit	D	% Rec	% Rec. Limits	RPD Limit
Lead	14		5500	5640	ug/L		102	80 - 120	0 20

TestAmerica Denver
06/22/2011

QC Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Method: Moisture - Percent Moisture

Lab Sample ID: 280-16780-B-2 DU
Matrix: Solid
Analysis Batch: 71666

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	5.5		5.5		%		0.2	20

Lab Sample ID: 280-16867-17 DU
Matrix: Solid
Analysis Batch: 71666

Client Sample ID: SED-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	60		60		%		0.9	20

9

QC Association Summary

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Metals

Prep Batch: 71690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-71690/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 280-71690/2-A	Lab Control Sample	Total/NA	Solid	3050B	
280-16867-4	SS-1	Total/NA	Solid	3050B	
280-16867-4 MS	SS-1	Total/NA	Solid	3050B	
280-16867-4 MSD	SS-1	Total/NA	Solid	3050B	
280-16867-5	SS-2	Total/NA	Solid	3050B	
280-16867-6	SS-2(DUP)	Total/NA	Solid	3050B	
280-16867-7	SS-3	Total/NA	Solid	3050B	
280-16867-8	SS-4	Total/NA	Solid	3050B	
280-16867-9	SS-5	Total/NA	Solid	3050B	
280-16867-10	SS-6	Total/NA	Solid	3050B	
280-16867-11	SS-7	Total/NA	Solid	3050B	
280-16867-12	SED-8	Total/NA	Solid	3050B	
280-16867-13	SED-9	Total/NA	Solid	3050B	
280-16867-14	SED-10	Total/NA	Solid	3050B	
280-16867-15	SED-11	Total/NA	Solid	3050B	
280-16867-16	SED-12	Total/NA	Solid	3050B	
280-16867-17	SED-14	Total/NA	Solid	3050B	
280-16867-18	SED-16	Total/NA	Solid	3050B	
280-16867-19	SED-18	Total/NA	Solid	3050B	
280-16867-20	SED-20	Total/NA	Solid	3050B	
280-16867-21	SED-11 01'	Total/NA	Solid	3050B	
280-16867-22	SED-8(DUP)	Total/NA	Solid	3050B	

Leach Batch: 71973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 280-71973/1-B LB	Method Blank	SPLP East	Solid	1312	
LCS 280-71973/2-B	Lab Control Sample	SPLP East	Solid	1312	
280-16867-4	SS-1	SPLP East	Solid	1312	
280-16867-5	SS-2	SPLP East	Solid	1312	
280-16867-6	SS-2(DUP)	SPLP East	Solid	1312	
280-16867-7	SS-3	SPLP East	Solid	1312	
280-16867-8	SS-4	SPLP East	Solid	1312	
280-16867-9	SS-5	SPLP East	Solid	1312	
280-16867-10	SS-6	SPLP East	Solid	1312	
280-16867-11	SS-7	SPLP East	Solid	1312	
280-16867-12	SED-8	SPLP East	Solid	1312	
280-16867-13	SED-9	SPLP East	Solid	1312	
280-16867-14	SED-10	SPLP East	Solid	1312	
280-16867-15	SED-11	SPLP East	Solid	1312	
280-16867-16	SED-12	SPLP East	Solid	1312	
280-16867-17	SED-14	SPLP East	Solid	1312	
280-16867-18	SED-16	SPLP East	Solid	1312	
280-16867-19	SED-18	SPLP East	Solid	1312	
280-16867-20	SED-20	SPLP East	Solid	1312	
280-16867-21	SED-11 01'	SPLP East	Solid	1312	
280-16867-22	SED-8(DUP)	SPLP East	Solid	1312	
280-16867-22 MS	SED-8(DUP)	SPLP East	Solid	1312	
280-16867-22 MSD	SED-8(DUP)	SPLP East	Solid	1312	

QC Association Summary

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Metals (Continued)

Analysis Batch: 72223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-71690/1-A	Method Blank	Total/NA	Solid	60108	71690
LCS 280-71690/2-A	Lab Control Sample	Total/NA	Solid	60108	71690
280-16867-4	SS-1	Total/NA	Solid	60108	71690
280-16867-4 MS	SS-1	Total/NA	Solid	60108	71690
280-16867-4 MSD	SS-1	Total/NA	Solid	60108	71690
280-16867-5	SS-2	Total/NA	Solid	60108	71690
280-16867-6	SS-2(DUP)	Total/NA	Solid	60108	71690
280-16867-7	SS-3	Total/NA	Solid	60108	71690
280-16867-8	SS-4	Total/NA	Solid	60108	71690
280-16867-9	SS-5	Total/NA	Solid	60108	71690
280-16867-10	SS-6	Total/NA	Solid	60108	71690
280-16867-11	SS-7	Total/NA	Solid	60108	71690
280-16867-12	SED-8	Total/NA	Solid	60108	71690
280-16867-13	SED-9	Total/NA	Solid	60108	71690
280-16867-14	SED-10	Total/NA	Solid	60108	71690
280-16867-15	SED-11	Total/NA	Solid	60108	71690
280-16867-16	SED-12	Total/NA	Solid	60108	71690
280-16867-17	SED-14	Total/NA	Solid	60108	71690
280-16867-18	SED-16	Total/NA	Solid	60108	71690
280-16867-19	SED-18	Total/NA	Solid	60108	71690
280-16867-20	SED-20	Total/NA	Solid	60108	71690
280-16867-21	SED-11 01'	Total/NA	Solid	60108	71690
280-16867-22	SED-8(DUP)	Total/NA	Solid	60108	71690

Prep Batch: 72240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 280-71973/1-B LB	Method Blank	SPLP East	Solid	3010A	71973
LCS 280-71973/2-B	Lab Control Sample	SPLP East	Solid	3010A	71973
280-16867-4	SS-1	SPLP East	Solid	3010A	71973
280-16867-5	SS-2	SPLP East	Solid	3010A	71973
280-16867-6	SS-2(DUP)	SPLP East	Solid	3010A	71973
280-16867-7	SS-3	SPLP East	Solid	3010A	71973
280-16867-8	SS-4	SPLP East	Solid	3010A	71973
280-16867-9	SS-5	SPLP East	Solid	3010A	71973
280-16867-10	SS-6	SPLP East	Solid	3010A	71973
280-16867-11	SS-7	SPLP East	Solid	3010A	71973
280-16867-12	SED-8	SPLP East	Solid	3010A	71973
280-16867-13	SED-9	SPLP East	Solid	3010A	71973
280-16867-14	SED-10	SPLP East	Solid	3010A	71973
280-16867-16	SED-11	SPLP East	Solid	3010A	71973
280-16867-16	SED-12	SPLP East	Solid	3010A	71973
280-16867-17	SED-14	SPLP East	Solid	3010A	71973
280-16867-18	SED-16	SPLP East	Solid	3010A	71973
280-16867-19	SED-18	SPLP East	Solid	3010A	71973
280-16867-20	SED-20	SPLP East	Solid	3010A	71973
280-16867-21	SED-11 01'	SPLP East	Solid	3010A	71973
280-16867-22	SED-8(DUP)	SPLP East	Solid	3010A	71973
280-16867-22 MS	SED-8(DUP)	SPLP East	Solid	3010A	71973
280-16867-22 MSD	SED-8(DUP)	SPLP East	Solid	3010A	71973

QC Association Summary

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Metals (Continued)

Analysis Batch: 72803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 280-71973/1-B LB	Method Blank	SPLP East	Solid	60108	72240
LCS 280-71973/2-B	Lab Control Sample	SPLP East	Solid	60108	72240
280-16867-4	SS-1	SPLP East	Solid	60108	72240
280-16867-5	SS-2	SPLP East	Solid	60108	72240
280-16867-6	SS-2(DUP)	SPLP East	Solid	60108	72240
280-16867-7	SS-3	SPLP East	Solid	60108	72240
280-16867-8	SS-4	SPLP East	Solid	60108	72240
280-16867-9	SS-5	SPLP East	Solid	60108	72240
280-16867-10	SS-6	SPLP East	Solid	60108	72240
280-16867-11	SS-7	SPLP East	Solid	60108	72240
280-16867-12	SED-8	SPLP East	Solid	60108	72240
280-16867-13	SED-9	SPLP East	Solid	60108	72240
280-16867-14	SED-10	SPLP East	Solid	60108	72240
280-16867-15	SED-11	SPLP East	Solid	60108	72240
280-16867-16	SED-12	SPLP East	Solid	60108	72240
280-16867-17	SED-14	SPLP East	Solid	60108	72240
280-16867-18	SED-16	SPLP East	Solid	60108	72240
280-16867-19	SED-18	SPLP East	Solid	60108	72240
280-16867-20	SED-20	SPLP East	Solid	60108	72240
280-16867-21	SED-11 01'	SPLP East	Solid	60108	72240
280-16867-22	SED-8(DUP)	SPLP East	Solid	60108	72240
280-16867-22 MS	SED-8(DUP)	SPLP East	Solid	60108	72240
280-16867-22 MSD	SED-8(DUP)	SPLP East	Solid	60108	72240

10

General Chemistry

Analysis Batch: 71666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-16780-B-2 DU	Duplicate	Total/NA	Solid	Moisture	
280-16867-4	SS-1	Total/NA	Solid	Moisture	
280-16867-5	SS-2	Total/NA	Solid	Moisture	
280-16867-6	SS-2(DUP)	Total/NA	Solid	Moisture	
280-16867-7	SS-3	Total/NA	Solid	Moisture	
280-16867-8	SS-4	Total/NA	Solid	Moisture	
280-16867-9	SS-5	Total/NA	Solid	Moisture	
280-16867-10	SS-6	Total/NA	Solid	Moisture	
280-16867-11	SS-7	Total/NA	Solid	Moisture	
280-16867-12	SED-8	Total/NA	Solid	Moisture	
280-16867-13	SED-9	Total/NA	Solid	Moisture	
280-16867-14	SED-10	Total/NA	Solid	Moisture	
280-16867-15	SED-11	Total/NA	Solid	Moisture	
280-16867-16	SED-12	Total/NA	Solid	Moisture	
280-16867-17	SED-14	Total/NA	Solid	Moisture	
280-16867-17 DU	SED-14	Total/NA	Solid	Moisture	
280-16867-18	SED-16	Total/NA	Solid	Moisture	
280-16867-19	SED-18	Total/NA	Solid	Moisture	
280-16867-20	SED-20	Total/NA	Solid	Moisture	
280-16867-21	SED-11 01'	Total/NA	Solid	Moisture	
280-16867-22	SED-8(DUP)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Client Sample ID: SS-1

Date Collected: 06/09/11 08:07

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-4

Matrix: Solid

Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.07 g	100 mL	71690	08/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	08/15/11 19:05	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	08/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			60 mL	60 mL	72240	08/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	08/17/11 23:50	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71686	08/13/11 11:23	AJA	TAL DEN

Client Sample ID: SS-2

Date Collected: 06/09/11 08:23

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-5

Matrix: Solid

Percent Solids: 75.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.10 g	100 mL	71690	08/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	06/15/11 19:15	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	08/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	08/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	08/17/11 23:53	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71686	08/13/11 11:23	AJA	TAL DEN

Client Sample ID: SS-2(DUP)

Date Collected: 06/09/11 08:24

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-6

Matrix: Solid

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.10 g	100 mL	71690	08/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	08/15/11 19:17	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	08/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	08/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	08/17/11 23:58	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71686	08/13/11 11:23	AJA	TAL DEN

Client Sample ID: SS-3

Date Collected: 08/09/11 08:35

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-7

Matrix: Solid

Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.10 g	100 mL	71690	08/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	08/15/11 19:30	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	08/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			60 mL	60 mL	72240	08/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	08/17/11 23:58	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71686	08/13/11 11:23	AJA	TAL DEN

TestAmerica Denver

06/22/2011

Lab Chronicle

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Client Sample ID: SS-4
Date Collected: 06/09/11 11:04
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-8
Matrix: Solid
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.10 g	100 mL	71690	06/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	06/15/11 19:32	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	06/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	06/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	06/18/11 00:01	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71666	06/13/11 11:23	AJA	TAL DEN

Client Sample ID: SS-5
Date Collected: 06/09/11 09:11
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-9
Matrix: Solid
Percent Solids: 74.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.15 g	100 mL	71690	06/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	06/15/11 19:35	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	06/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	06/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	06/18/11 00:03	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71666	06/13/11 11:23	AJA	TAL DEN

Client Sample ID: SS-6
Date Collected: 06/09/11 11:21
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-10
Matrix: Solid
Percent Solids: 98.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.12 g	100 mL	71690	06/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	06/15/11 19:38	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	06/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	06/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	06/18/11 00:16	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71666	06/13/11 11:23	AJA	TAL DEN

Client Sample ID: SS-7
Date Collected: 06/09/11 11:32
Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-11
Matrix: Solid
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.13 g	100 mL	71690	06/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	06/15/11 19:40	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	06/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	06/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	06/18/11 00:18	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71666	06/13/11 11:23	AJA	TAL DEN

TestAmerica Denver
06/22/2011

Lab Chronicle

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Client Sample ID: SED-8

Date Collected: 06/09/11 09:01

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-12

Matrix: Solid

Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	71690	06/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	06/15/11 19:42	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	06/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	06/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	06/18/11 00:21	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71666	06/13/11 11:23	AJA	TAL DEN

Client Sample ID: SED-9

Date Collected: 06/09/11 11:13

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-13

Matrix: Solid

Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.13 g	100 mL	71690	06/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	06/15/11 19:45	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	06/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	06/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	06/18/11 00:23	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71666	06/13/11 11:23	AJA	TAL DEN

Client Sample ID: SED-10

Date Collected: 06/09/11 10:58

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-14

Matrix: Solid

Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.14 g	100 mL	71690	06/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	06/15/11 19:48	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	06/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	06/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	06/18/11 00:28	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71666	06/13/11 11:23	AJA	TAL DEN

Client Sample ID: SED-11

Date Collected: 06/09/11 09:25

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-15

Matrix: Solid

Percent Solids: 78.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.08 g	100 mL	71690	06/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	06/15/11 20:00	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	06/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	06/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	06/18/11 00:28	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71666	06/13/11 11:23	AJA	TAL DEN

TestAmerica Denver

06/22/2011

Lab Chronicle

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Client Sample ID: SED-12

Date Collected: 06/09/11 10:23

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-16

Matrix: Solid

Percent Solids: 44.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.13 g	100 mL	71690	08/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	08/15/11 20:02	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	08/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	08/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	08/18/11 00:31	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71666	08/13/11 11:23	AJA	TAL DEN

Client Sample ID: SED-14

Date Collected: 06/09/11 10:50

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-17

Matrix: Solid

Percent Solids: 40.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	71690	08/14/11 16:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	08/15/11 20:05	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	08/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	08/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	08/18/11 00:43	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71666	08/13/11 11:23	AJA	TAL DEN

Client Sample ID: SED-16

Date Collected: 06/09/11 09:50

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-18

Matrix: Solid

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.04 g	100 mL	71690	08/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	08/15/11 20:07	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	08/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	08/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	08/18/11 00:46	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71666	08/13/11 11:23	AJA	TAL DEN

Client Sample ID: SED-18

Date Collected: 06/09/11 11:45

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-19

Matrix: Solid

Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.14 g	100 mL	71690	08/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	08/15/11 20:10	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	08/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	08/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	08/18/11 00:46	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71666	08/13/11 11:23	AJA	TAL DEN

TestAmerica Denver

06/22/2011

Lab Chronicle

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16867-1

Client Sample ID: SED-20

Date Collected: 06/09/11 11:55

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-20

Matrix: Solid

Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.03 g	100 mL	71690	08/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	08/15/11 20:12	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	08/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	08/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	08/18/11 00:51	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71666	06/13/11 11:23	AJA	TAL DEN

Client Sample ID: SED-11 01'

Date Collected: 06/09/11 09:26

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-21

Matrix: Solid

Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.15 g	100 mL	71690	08/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	08/16/11 20:16	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	08/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	08/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	08/18/11 00:54	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71666	06/13/11 11:23	AJA	TAL DEN

Client Sample ID: SED-8(DUP)

Date Collected: 06/09/11 09:02

Date Received: 06/11/11 08:30

Lab Sample ID: 280-16867-22

Matrix: Solid

Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.13 g	100 mL	71690	08/14/11 15:00	JM	TAL DEN
Total/NA	Analysis	6010B		1			72223	08/15/11 20:17	HEB	TAL DEN
SPLP East	Leach	1312			1.0 g	1.0 mL	71973	08/14/11 15:00	DFB	TAL DEN
SPLP East	Prep	3010A			50 mL	50 mL	72240	08/16/11 15:00	JM	TAL DEN
SPLP East	Analysis	6010B		1			72803	08/18/11 00:56	HEB	TAL DEN
Total/NA	Analysis	Moisture		1			71666	06/13/11 11:23	AJA	TAL DEN

Laboratory References:

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

Chain of Custody Record

THE LEADER IN ENVIRONMENTAL TESTING

Client Information Client Contact: Eric Parker Company: Waste Management Address: Trail Ridge Landfill 5110 US58 Highway 301 S City: Baldwin State, Zip: FL 32224 Phone: 904-289-8100(Tel) Email: eparker1@wm.com Project Name: Trail Ridge Site: FL000A Soil/Sediment samples		Sender: D. Kenney / K. Gumpston Phone: 363-698-7106 Lab Pile: Harrington, Danielle M E-Mail: danielle.harrington@testamericainc.com Carrier Tracking No(s): COC No: 280-10563-3954.4 Page: Page 1 of 1 Job #:																																																																									
Due Date Requested: Standard TAT Requested (days): PO #: WO #: Project #: 28005522 SSOW #:		Analysis Requested <table border="1"> <tr> <th>Sample ID</th> <th>Sample Type</th> <th>Matrix</th> <th>Analysis</th> </tr> <tr> <td>SS-1</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>SS-2</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>SS-2 (Dup)</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>SS-3</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>SS-4</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>SS-5</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>SS-6</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>SS-7</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>Sed-8</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>Sed-9</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>Sed-10</td> <td>G</td> <td>S</td> <td>11</td> </tr> </table>		Sample ID	Sample Type	Matrix	Analysis	SS-1	G	S	11	SS-2	G	S	11	SS-2 (Dup)	G	S	11	SS-3	G	S	11	SS-4	G	S	11	SS-5	G	S	11	SS-6	G	S	11	SS-7	G	S	11	Sed-8	G	S	11	Sed-9	G	S	11	Sed-10	G	S	11																								
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SS-1	G	S	11																																																																								
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SS-2 (Dup)	G	S	11																																																																								
SS-3	G	S	11																																																																								
SS-4	G	S	11																																																																								
SS-5	G	S	11																																																																								
SS-6	G	S	11																																																																								
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Sample Identification <table border="1"> <thead> <tr> <th>Sample ID</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type</th> <th>Matrix</th> <th>Analysis</th> </tr> </thead> <tbody> <tr> <td>SS-1</td> <td>6/9/11</td> <td>0807</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>SS-2</td> <td>6/9/11</td> <td>0823</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>SS-2 (Dup)</td> <td></td> <td>0824</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>SS-3</td> <td></td> <td>0835</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>SS-4</td> <td></td> <td>1104</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>SS-5</td> <td></td> <td>0911</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>SS-6</td> <td></td> <td>1121</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>SS-7</td> <td></td> <td>1132</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>Sed-8</td> <td></td> <td>0901</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>Sed-9</td> <td></td> <td>1113</td> <td>G</td> <td>S</td> <td>11</td> </tr> <tr> <td>Sed-10</td> <td></td> <td>1058</td> <td>G</td> <td>S</td> <td>11</td> </tr> </tbody> </table>		Sample ID	Sample Date	Sample Time	Sample Type	Matrix	Analysis	SS-1	6/9/11	0807	G	S	11	SS-2	6/9/11	0823	G	S	11	SS-2 (Dup)		0824	G	S	11	SS-3		0835	G	S	11	SS-4		1104	G	S	11	SS-5		0911	G	S	11	SS-6		1121	G	S	11	SS-7		1132	G	S	11	Sed-8		0901	G	S	11	Sed-9		1113	G	S	11	Sed-10		1058	G	S	11	Preservation Codes: A-HCl M-H2O2 B-NaOH N-NaOH C-Zn Acetate O-Acetic Acid D-NaOH P-NaOH E-H2SO4 Q-NaOH F-NaOH R-NaOH G-Ammonia S-H2SO4 H-Acetic Acid T-TSP Condensate I-Ice U-Acetone J-Di Water V-MCA K-EDTA W-ph 4-4 L-EDA Z-other (specify) Other:	
Sample ID	Sample Date	Sample Time	Sample Type	Matrix	Analysis																																																																						
SS-1	6/9/11	0807	G	S	11																																																																						
SS-2	6/9/11	0823	G	S	11																																																																						
SS-2 (Dup)		0824	G	S	11																																																																						
SS-3		0835	G	S	11																																																																						
SS-4		1104	G	S	11																																																																						
SS-5		0911	G	S	11																																																																						
SS-6		1121	G	S	11																																																																						
SS-7		1132	G	S	11																																																																						
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Special Instructions/Notes:		Special Instructions/Notes:																																																																									
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																																																																									
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:																																																																									
Empty Kit Requisitioned by: [Signature]		Date: 6-9-11 Time: 11:30 Method of Shipment: [Signature]																																																																									
Requisitioned by: [Signature]		Received by: [Signature]																																																																									
Requisitioned by: [Signature]		Received by: [Signature]																																																																									
Requisitioned by: [Signature]		Received by: [Signature]																																																																									
Custody Seal Intact: ☐ Yes ☐ No		Cooler Temperature(s) °C and Other Remarks: 0: 6/11 7: 11:30																																																																									

Chain of Custody Record

TestAmerica.
THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Lab File		Carrier Tracking No.		COC File	
Client Contact: D. Kenney / K. Campbell Phone: 763-658-2706 Company: Stevens		Harrington, Daniels M B-1022 danisla.harrington@stevensinc.com				280-10953-3554.4 Page 1 of 1 J00 R	
Analysis Requested Due Date Requested: <u>Stevens</u> TAT Requested (yr/mo): _____ PO R: _____ NO R: _____ Project R: <u>28005522</u> SSONR: _____ Soil/Sediment samples: _____							
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Asst, Inert, Other)	Total Lead	SP, P, East, Total Lead	Special Instructions/Notes
Sed-11	6/9/11	0925	G	S	1		
Sed-12	6/9/11	1023	G	S	1		Logit Ship Events
Sed-14	6/9/11	1050	G	S	1		
Sed-16	6/9/11	0950	G	S	1		
Sed-18	6/9/11	1145	G	S	1		
Sed-20	6/9/11	1155	G	S	1		
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, IV, Other (specify) _____							
Sample Disposal (A fee may be assessed if samples are returned longer than 1 month) ☐ Return To Client ☐ Disposed By Lab ☐ Archive For _____ Months							
Special Instructions/OC Requirements							
Empty K0s Requiring by: <u>6/14/11</u>		Date: <u>6-8-11</u>		Method of Shipment: <u>PLU</u>		Time: <u>1130</u>	
Requiring by: <u>[Signature]</u>		Date/Time: <u>6/10/11</u>		Received by: <u>[Signature]</u>		Date/Time: <u>6/14/11 0830</u>	
Requiring by: _____		Date/Time: _____		Received by: _____		Date/Time: _____	
Requiring by: _____		Date/Time: _____		Received by: _____		Date/Time: _____	
Custody Seals Intact: <u>A Yes A No</u>		Custody Seal No.: _____		Company: <u>TAD</u>		Company: _____	
Requiring by: _____		Date/Time: _____		Received by: _____		Date/Time: _____	

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 280-16867-1

Login Number: 16867

List Source: TestAmerica Denver

List Number: 1

Crestor: Philipp, Nicholas A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers and the COC.	False	SED-11 01' SED-8(DUP) NOT LISTED ON COC.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	1/1 8OZ SOIL JARS FOR SED-8(DUP) ARRIVED BROKEN
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble ls <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

13

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-16796-1
Client Project/Site: FL11|Trall Ridge

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

Attn: Eric Parker

Danielle Harrington

Authorized for release by:
06/22/2011 10:31:14 AM

Danielle Harrington
Project Manager I
danielle.harrington@testamericainc.com

LINKS

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www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Method Summary	7
Sample Summary	8
Client Sample Results	9
QC Sample Results	12
QC Association Summary	17
Lab Chronicle	20
Chain of Custody	22
Receipt Checklists	23

Definitions/Glossary

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16798-1

Qualifiers

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
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.
D	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

3

Case Narrative

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16796-1

Job ID: 280-16796-1

Laboratory: TestAmerica Denver

Narrative



CASE NARRATIVE

Client: Waste Management

Project: Trail Ridge

Report Number: 280-16796-1

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.

This report may include reporting limits (RLs) less than TestAmerica's standard reporting limit. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

This submission may contain field data obtained by the sampler. The methods referenced in this submission for the field data results may not be the methods used to obtain the field data by the sampler.

RECEIPT

Five samples were received on 06/10/2011 at TestAmerica Denver with a cooler temperature of 5.8C.

All sample bottles were received in acceptable condition.

HOLDING TIMES

All Holding Times were met.

METHOD BLANKS

All Method Blanks were within the acceptance limits.

LABORATORY CONTROL SAMPLES (LCS)

All Laboratory Control Samples were within the acceptance limits.

MATRIX SPIKE (MS) and MATRIX SPIKE DUPLICATES (MSD)

All Matrix Spike and Matrix Spike Duplicates were within the acceptance limits.

Detection Summary

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16796-1

Client Sample ID: SW-17

Lab Sample ID: 280-16796-4

5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	180		100	22	ug/L	1		6010B	Total Recovera
Iron	140		100	22	ug/L	1		6010B	Dissolved
Total Alkalinity	190		5.0	1.1	mg/L	1		SM 2320B	Total/NA
Hardness as calcium carbonate	170		5.0	1.3	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	310		10	4.7	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	17		4.0	1.1	mg/L	1		SM 2540D	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Turbidity	6.5		0.10	0.10	NTU	1		180.1	Total/NA

Client Sample ID: SW-13

Lab Sample ID: 280-16796-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	100		100	22	ug/L	1		6010B	Total Recovera
Iron	78	I	100	22	ug/L	1		6010B	Dissolved
Total Alkalinity	180		5.0	1.1	mg/L	1		SM 2320B	Total/NA
Hardness as calcium carbonate	170		5.0	1.3	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	290		10	4.7	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	5.2		4.0	1.1	mg/L	1		SM 2540D	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Turbidity	3.2		0.10	0.10	NTU	1		180.1	Total/NA

Client Sample ID: SW-15

Lab Sample ID: 280-16796-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	79	I	100	22	ug/L	1		6010B	Total Recovera
Iron	68	I	100	22	ug/L	1		6010B	Dissolved
Total Alkalinity	180		5.0	1.1	mg/L	1		SM 2320B	Total/NA
Hardness as calcium carbonate	170		5.0	1.3	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	290		10	4.7	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.8	I	4.0	1.1	mg/L	1		SM 2540D	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Turbidity	2.9		0.10	0.10	NTU	1		180.1	Total/NA

Client Sample ID: SW-15(DUP)

Lab Sample ID: 280-16796-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	79	I	100	22	ug/L	1		6010B	Total Recovera
Iron	73	I	100	22	ug/L	1		6010B	Dissolved
Total Alkalinity	180		5.0	1.1	mg/L	1		SM 2320B	Total/NA
Hardness as calcium carbonate	160		5.0	1.3	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	290		10	4.7	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.4	I	4.0	1.1	mg/L	1		SM 2540D	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Turbidity	3.0		0.10	0.10	NTU	1		180.1	Total/NA

Client Sample ID: SW-19

Lab Sample ID: 280-16796-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	400		100	22	ug/L	1		6010B	Total Recovera
Iron	320		100	22	ug/L	1		6010B	Dissolved
Total Alkalinity	110		5.0	1.1	mg/L	1		SM 2320B	Total/NA
Hardness as calcium carbonate	110		5.0	1.3	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	140		10	4.7	mg/L	1		SM 2540C	Total/NA

TestAmerica Denver

06/22/2011

Detection Summary

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16796-1

Client Sample ID: SW-19 (Continued)

Lab Sample ID: 280-16796-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	8.8		4.0	1.1	mg/L	1		SM 2540D	TotalVNA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Turbidity	9.1		0.10	0.10	NTU	1		180.1	TotalVNA

5

Method Summary

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16796-1

Method	Method Description	Protocol	Laboratory
8010B	Metals (ICP)	SW846	TAL DEN
180.1	Turbidity, Nephelometric	MCAWW	TAL DEN
SM 2320B	Alkalinity	SM	TAL DEN
SM 2340C	Hardness, Total	SM	TAL DEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL DEN
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL DEN



Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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 DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)738-0100

Sample Summary

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16786-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-16786-4	SW-17	Water	06/09/11 09:46	06/10/11 09:30
280-16786-5	SW-13	Water	06/09/11 10:20	06/10/11 09:30
280-16786-6	SW-15	Water	06/09/11 10:45	06/10/11 09:30
280-16786-7	SW-15(DUP)	Water	06/09/11 10:55	06/10/11 09:30
280-16786-8	SW-19	Water	06/09/11 11:50	06/10/11 09:30



Client Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16796-1

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

Client Sample ID: SW-17

Date Collected: 06/09/11 09:46

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6	U	9.0	2.6	ug/L		06/15/11 08:00	06/16/11 04:10	1
Iron	180		100	22	ug/L		06/15/11 08:00	06/16/11 04:10	1

Client Sample ID: SW-13

Date Collected: 06/09/11 10:20

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6	U	9.0	2.6	ug/L		06/15/11 08:00	06/16/11 04:19	1
Iron	100		100	22	ug/L		06/15/11 08:00	06/16/11 04:19	1

Client Sample ID: SW-15

Date Collected: 06/09/11 10:45

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6	U	9.0	2.6	ug/L		06/15/11 08:00	06/16/11 04:22	1
Iron	79	I	100	22	ug/L		06/15/11 08:00	06/16/11 04:22	1

Client Sample ID: SW-15(DUP)

Date Collected: 06/09/11 10:55

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6	U	9.0	2.6	ug/L		06/15/11 08:00	06/16/11 04:24	1
Iron	79	I	100	22	ug/L		06/15/11 08:00	06/16/11 04:24	1

Client Sample ID: SW-19

Date Collected: 06/09/11 11:50

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6	U	9.0	2.6	ug/L		06/15/11 08:00	06/16/11 04:27	1
Iron	400		100	22	ug/L		06/15/11 08:00	06/16/11 04:27	1

Method: 6010B - Metals (ICP) - Dissolved

Client Sample ID: SW-17

Date Collected: 06/09/11 09:46

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6	U	9.0	2.6	ug/L		06/15/11 08:00	06/16/11 03:01	1
Iron	140		100	22	ug/L		06/15/11 08:00	06/16/11 03:01	1

Client Sample ID: SW-13

Date Collected: 06/09/11 10:20

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6	U	9.0	2.6	ug/L		06/15/11 08:00	06/16/11 03:11	1
Iron	76	I	100	22	ug/L		06/15/11 08:00	06/16/11 03:11	1

Client Sample ID: SW-15

Date Collected: 06/09/11 10:45

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6	U	9.0	2.6	ug/L		06/15/11 08:00	06/16/11 03:13	1

TestAmerica Denver

06/22/2011

Client Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16796-1

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Client Sample ID: SW-15

Date Collected: 06/09/11 10:45

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	68	I	100	22	ug/L		06/15/11 08:00	06/16/11 03:13	1

Client Sample ID: SW-15(DUP)

Date Collected: 06/09/11 10:55

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6	U	9.0	2.6	ug/L		06/15/11 08:00	06/16/11 03:16	1
Iron	73	I	100	22	ug/L		06/15/11 08:00	06/16/11 03:16	1

Client Sample ID: SW-19

Date Collected: 06/09/11 11:50

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6	U	9.0	2.6	ug/L		06/15/11 08:00	06/16/11 03:18	1
Iron	320		100	22	ug/L		06/15/11 08:00	06/16/11 03:18	1

General Chemistry

Client Sample ID: SW-17

Date Collected: 06/09/11 09:46

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity	190		5.0	1.1	mg/L			06/20/11 22:34	1
Hardness as calcium carbonate	170		5.0	1.3	mg/L			06/15/11 10:39	1
Total Dissolved Solids	310		10	4.7	mg/L			06/16/11 07:45	1
Total Suspended Solids	17		4.0	1.1	mg/L			06/14/11 14:27	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	6.5		0.10	0.10	NTU			06/10/11 13:42	1

Client Sample ID: SW-13

Date Collected: 06/09/11 10:20

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity	180		5.0	1.1	mg/L			06/20/11 22:43	1
Hardness as calcium carbonate	170		5.0	1.3	mg/L			06/15/11 10:39	1
Total Dissolved Solids	290		10	4.7	mg/L			06/16/11 07:45	1
Total Suspended Solids	5.2		4.0	1.1	mg/L			06/14/11 14:27	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	3.2		0.10	0.10	NTU			06/10/11 13:43	1

Client Sample ID: SW-15

Date Collected: 06/09/11 10:45

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity	180		5.0	1.1	mg/L			06/20/11 23:09	1
Hardness as calcium carbonate	170		5.0	1.3	mg/L			06/15/11 10:39	1
Total Dissolved Solids	290		10	4.7	mg/L			06/16/11 07:45	1
Total Suspended Solids	2.8	I	4.0	1.1	mg/L			06/14/11 14:27	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	2.9		0.10	0.10	NTU			06/10/11 13:43	1

Client Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16796-1

General Chemistry

Client Sample ID: SW-15(DUP)

Date Collected: 06/09/11 10:55

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity	180		5.0	1.1	mg/L			06/20/11 23:17	1
Hardness as calcium carbonate	160		5.0	1.3	mg/L			06/15/11 10:39	1
Total Dissolved Solids	290		10	4.7	mg/L			06/16/11 07:45	1
Total Suspended Solids	2.4	I	4.0	1.1	mg/L			06/14/11 14:27	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	3.0		0.10	0.10	NTU			06/10/11 13:43	1

Client Sample ID: SW-19

Date Collected: 06/09/11 11:50

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity	110		5.0	1.1	mg/L			06/20/11 23:25	1
Hardness as calcium carbonate	110		5.0	1.3	mg/L			06/15/11 10:39	1
Total Dissolved Solids	140		10	4.7	mg/L			06/16/11 07:45	1
Total Suspended Solids	8.8		4.0	1.1	mg/L			06/14/11 14:27	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	9.1		0.10	0.10	NTU			06/10/11 13:43	1

8

QC Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16796-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 280-71548/1-A
Matrix: Water
Analysis Batch: 72224

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 71548

Analyte	MB MB Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6 U	9.0	2.6	ug/L		06/15/11 08:00	06/16/11 02:58	1
Iron	22 U	100	22	ug/L		06/15/11 08:00	06/16/11 02:58	1

Lab Sample ID: LCS 280-71548/2-A
Matrix: Water
Analysis Batch: 72224

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 71548

Analyte	Spike Added	LCS LCS Result Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	500	498	ug/L		99	89 - 110
Iron	1000	1030	ug/L		103	89 - 115

Lab Sample ID: MB 280-71715/1-A
Matrix: Water
Analysis Batch: 72311

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 71715

Analyte	MB MB Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6 U	9.0	2.6	ug/L		08/15/11 08:00	08/16/11 04:05	1
Iron	22 U	100	22	ug/L		08/15/11 08:00	08/16/11 04:05	1

Lab Sample ID: LCS 280-71715/2-A
Matrix: Water
Analysis Batch: 72311

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 71715

Analyte	Spike Added	LCS LCS Result Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	500	490	ug/L		98	89 - 110
Iron	1000	1010	ug/L		101	89 - 115

Lab Sample ID: 280-16796-4 MS
Matrix: Water
Analysis Batch: 72311

Client Sample ID: SW-17
Prep Type: Total Recoverable
Prep Batch: 71715

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS Result Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	2.6	U	500	485	ug/L		97	89 - 121
Iron	180		1000	1260	ug/L		107	52 - 155

Lab Sample ID: 280-16796-4 MSD
Matrix: Water
Analysis Batch: 72311

Client Sample ID: SW-17
Prep Type: Total Recoverable
Prep Batch: 71715

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD Result Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Lead	2.6	U	500	489	ug/L		98	89 - 121	1	20
Iron	180		1000	1220	ug/L		103	52 - 155	3	20

Lab Sample ID: 280-16796-4 MS
Matrix: Water
Analysis Batch: 72224

Client Sample ID: SW-17
Prep Type: Dissolved
Prep Batch: 71548

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS Result Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	2.6	U	500	484	ug/L		97	89 - 121
Iron	140		1000	1190	ug/L		105	52 - 155

TestAmerica Denver
06/22/2011

QC Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16796-1

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

Lab Sample ID: 280-16796-4 MSD						Client Sample ID: SW-17				
Matrix: Water						Prep Type: Dissolved				
Analysis Batch: 72224						Prep Batch: 71548				
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD
Lead	2.6	U	500	489		ug/L		98	89 - 121	1
Iron	140		1000	1170		ug/L		103	52 - 165	2

Method: 180.1 - Turbidity, Nephelometric

Lab Sample ID: MB 280-71403/8						Client Sample ID: Method Blank				
Matrix: Water						Prep Type: Total/NA				
Analysis Batch: 71403										
Analyte	MB Result	MB Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac		
Turbidity	0.10	U	0.10	0.10 NTU			06/10/11 13:42		1	

Lab Sample ID: LCS 280-71403/6						Client Sample ID: Lab Control Sample				
Matrix: Water						Prep Type: Total/NA				
Analysis Batch: 71403										
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits			
Turbidity	10.0	9.94		NTU		99	90 - 110			

Lab Sample ID: LCSD 280-71403/7						Client Sample ID: Lab Control Sample Dup				
Matrix: Water						Prep Type: Total/NA				
Analysis Batch: 71403										
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	Limit	
Turbidity	10.0	10.0		NTU		100	90 - 110	1	10	

Lab Sample ID: 280-16796-4 DU						Client Sample ID: SW-17				
Matrix: Water						Prep Type: Total/NA				
Analysis Batch: 71403										
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit		
Turbidity	6.6		6.58		NTU		0.9	10		

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 280-73002/33						Client Sample ID: Method Blank				
Matrix: Water						Prep Type: Total/NA				
Analysis Batch: 73002										
Analyte	MB Result	MB Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac		
Total Alkalinity	1.1	U	5.0	1.1 mg/L			06/20/11 21:40		1	

Lab Sample ID: LCS 280-73002/31						Client Sample ID: Lab Control Sample				
Matrix: Water						Prep Type: Total/NA				
Analysis Batch: 73002										
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits			
Total Alkalinity	200	203		mg/L		102	90 - 110			

QC Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16796-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCSD 280-73002/32
Matrix: Water
Analysis Batch: 73002

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Total Alkalinity	200	204		mg/L		102	90 - 110	0	10

Lab Sample ID: 280-16803-G-4 DU
Matrix: Water
Analysis Batch: 73002

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity	1.4		1.27		mg/L		9	10

9

Method: SM 2340C - Hardness, Total

Lab Sample ID: MB 280-72094/3
Matrix: Water
Analysis Batch: 72094

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	1.3	U	5.0	1.3	mg/L			06/15/11 10:39	1

Lab Sample ID: LCS 280-72094/1
Matrix: Water
Analysis Batch: 72094

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Hardness as calcium carbonate	403	403		mg/L		100	90 - 110

Lab Sample ID: LCSD 280-72094/2
Matrix: Water
Analysis Batch: 72094

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Hardness as calcium carbonate	403	401		mg/L		100	90 - 110	0	10

Lab Sample ID: 280-16613-M-1 MS
Matrix: Water
Analysis Batch: 72094

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Hardness as calcium carbonate	240		403	627		mg/L		97	90 - 110

Lab Sample ID: 280-16613-M-1 MSD
Matrix: Water
Analysis Batch: 72094

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Hardness as calcium carbonate	240		403	629		mg/L		97	90 - 110	0	10

TestAmerica Denver

QC Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16795-1

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 280-72215/1
Matrix: Water
Analysis Batch: 72215

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

Analyte	MB MB Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4.7 U	10	4.7	mg/L			06/16/11 07:45	1

Lab Sample ID: LCS 280-72215/2
Matrix: Water
Analysis Batch: 72215

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

Analyte	Spike Added	LCS LCS Result Qualifier	Unit	D	% Rec	% Rec. Limits
Total Dissolved Solids	500	486	mg/L		97	88 - 110

Lab Sample ID: LCSD 280-72215/3
Matrix: Water
Analysis Batch: 72215

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

Analyte	Spike Added	LCSD LCSD Result Qualifier	Unit	D	% Rec	% Rec. Limits	RPD Limit
Total Dissolved Solids	500	490	mg/L		98	88 - 110	1 20

Lab Sample ID: 280-16795-A-1 DU
Matrix: Water
Analysis Batch: 72215

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Sample Result Qualifier	DU DU Result Qualifier	Unit	D	RPD Limit
Total Dissolved Solids	440	447	mg/L		2 10

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

Lab Sample ID: MB 280-71952/1
Matrix: Water
Analysis Batch: 71952

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

Analyte	MB MB Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.1 U	4.0	1.1	mg/L			06/14/11 14:27	1

Lab Sample ID: LCS 280-71952/2
Matrix: Water
Analysis Batch: 71952

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

Analyte	Spike Added	LCS LCS Result Qualifier	Unit	D	% Rec	% Rec. Limits
Total Suspended Solids	100	93.0	mg/L		93	88 - 114

Lab Sample ID: LCSD 280-71952/3
Matrix: Water
Analysis Batch: 71952

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

Analyte	Spike Added	LCSD LCSD Result Qualifier	Unit	D	% Rec	% Rec. Limits	RPD Limit
Total Suspended Solids	100	95.0	mg/L		95	88 - 114	2 20

QC Sample Results

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16786-1

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

Lab Sample ID: 280-16788-D-1 DU

Matrix: Water

Analysis Batch: 71952

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	1.1	U	1.1	U	mg/L		NC	10

9

QC Association Summary

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16796-1

Metals

Prep Batch: 71548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-71548/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 280-71548/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
280-16796-4	SW-17	Dissolved	Water	3005A	
280-16796-4 MS	SW-17	Dissolved	Water	3005A	
280-16796-4 MSD	SW-17	Dissolved	Water	3005A	
280-16796-5	SW-13	Dissolved	Water	3005A	
280-16796-6	SW-15	Dissolved	Water	3005A	
280-16796-7	SW-15(DUP)	Dissolved	Water	3005A	
280-16796-8	SW-19	Dissolved	Water	3005A	

Prep Batch: 71715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-71715/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 280-71715/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
280-16796-4	SW-17	Total Recoverable	Water	3005A	
280-16796-4 MS	SW-17	Total Recoverable	Water	3005A	
280-16796-4 MSD	SW-17	Total Recoverable	Water	3005A	
280-16796-5	SW-13	Total Recoverable	Water	3005A	
280-16796-6	SW-15	Total Recoverable	Water	3005A	
280-16796-7	SW-15(DUP)	Total Recoverable	Water	3005A	
280-16796-8	SW-19	Total Recoverable	Water	3005A	

Analysis Batch: 72224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-71648/1-A	Method Blank	Total Recoverable	Water	6010B	71548
LCS 280-71648/2-A	Lab Control Sample	Total Recoverable	Water	6010B	71548
280-16796-4	SW-17	Dissolved	Water	6010B	71548
280-16796-4 MS	SW-17	Dissolved	Water	6010B	71548
280-16796-4 MSD	SW-17	Dissolved	Water	6010B	71548
280-16796-5	SW-13	Dissolved	Water	6010B	71548
280-16796-6	SW-15	Dissolved	Water	6010B	71548
280-16796-7	SW-15(DUP)	Dissolved	Water	6010B	71548
280-16796-8	SW-19	Dissolved	Water	6010B	71548

Analysis Batch: 72311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-71715/1-A	Method Blank	Total Recoverable	Water	6010B	71715
LCS 280-71715/2-A	Lab Control Sample	Total Recoverable	Water	6010B	71715
280-16796-4	SW-17	Total Recoverable	Water	6010B	71715
280-16796-4 MS	SW-17	Total Recoverable	Water	6010B	71715
280-16796-4 MSD	SW-17	Total Recoverable	Water	6010B	71715
280-16796-5	SW-13	Total Recoverable	Water	6010B	71715
280-16796-6	SW-15	Total Recoverable	Water	6010B	71715
280-16796-7	SW-15(DUP)	Total Recoverable	Water	6010B	71715
280-16796-8	SW-19	Total Recoverable	Water	6010B	71715

General Chemistry

Analysis Batch: 71403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 280-71403/6	Lab Control Sample	Total/NA	Water	180.1	
LCSD 280-71403/7	Lab Control Sample Dup	Total/NA	Water	180.1	

QC Association Summary

Client: Waste Management
Project/Site: FL11|Trill Ridge

TestAmerica Job ID: 280-16786-1

General Chemistry (Continued)

Analysis Batch: 71403 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-71403/8	Method Blank	Total/NA	Water	180.1	
280-16786-4	SW-17	Total/NA	Water	180.1	
280-16786-4 DU	SW-17	Total/NA	Water	180.1	
280-16786-5	SW-13	Total/NA	Water	180.1	
280-16786-6	SW-15	Total/NA	Water	180.1	
280-16786-7	SW-15(DUP)	Total/NA	Water	180.1	
280-16786-8	SW-19	Total/NA	Water	180.1	

Analysis Batch: 71952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-71952/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 280-71952/2	Lab Control Sample	Total/NA	Water	SM 2540D	
LCSD 280-71952/3	Lab Control Sample Dup	Total/NA	Water	SM 2540D	
280-16786-D-1 DU	Duplicate	Total/NA	Water	SM 2540D	
280-16786-4	SW-17	Total/NA	Water	SM 2540D	
280-16786-5	SW-13	Total/NA	Water	SM 2540D	
280-16786-6	SW-15	Total/NA	Water	SM 2540D	
280-16786-7	SW-15(DUP)	Total/NA	Water	SM 2540D	
280-16786-8	SW-19	Total/NA	Water	SM 2540D	

Analysis Batch: 72094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 280-72094/1	Lab Control Sample	Total/NA	Water	SM 2340C	
LCSD 280-72094/2	Lab Control Sample Dup	Total/NA	Water	SM 2340C	
MB 280-72094/3	Method Blank	Total/NA	Water	SM 2340C	
280-16613-M-1 MS	Matrix Spike	Total/NA	Water	SM 2340C	
280-16613-M-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 2340C	
280-16786-4	SW-17	Total/NA	Water	SM 2340C	
280-16786-5	SW-13	Total/NA	Water	SM 2340C	
280-16786-6	SW-15	Total/NA	Water	SM 2340C	
280-16786-7	SW-15(DUP)	Total/NA	Water	SM 2340C	
280-16786-8	SW-19	Total/NA	Water	SM 2340C	

Analysis Batch: 72215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-72215/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-72215/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 280-72215/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
280-16786-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	
280-16786-4	SW-17	Total/NA	Water	SM 2540C	
280-16786-5	SW-13	Total/NA	Water	SM 2540C	
280-16786-6	SW-15	Total/NA	Water	SM 2540C	
280-16786-7	SW-15(DUP)	Total/NA	Water	SM 2540C	
280-16786-8	SW-19	Total/NA	Water	SM 2540C	

Analysis Batch: 73002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 280-73002/31	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 280-73002/32	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
MB 280-73002/33	Method Blank	Total/NA	Water	SM 2320B	
280-16803-G-4 DU	Duplicate	Total/NA	Water	SM 2320B	
280-16786-4	SW-17	Total/NA	Water	SM 2320B	

TestAmerica Denver

QC Association Summary

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16798-1

General Chemistry (Continued)

Analysis Batch: 73002 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-16798-5	SW-13	Total/NA	Water	SM 23208	
280-16798-6	SW-15	Total/NA	Water	SM 23208	
280-16798-7	SW-15(DUP)	Total/NA	Water	SM 23208	
280-16798-8	SW-19	Total/NA	Water	SM 23208	

10

Lab Chronicle

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16796-1

Client Sample ID: SW-17
Date Collected: 06/09/11 09:46
Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	71548	06/15/11 08:00	BLR	TAL DEN
Dissolved	Analysis	6010B		1			72224	06/16/11 03:01	HEB	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	71715	06/15/11 08:00	BLR	TAL DEN
Total Recoverable	Analysis	6010B		1			72311	06/16/11 04:10	HEB	TAL DEN
Total/NA	Analysis	180.1		1			71403	06/10/11 13:42	AJA	TAL DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	71952	06/14/11 14:27	PAG	TAL DEN
Total/NA	Analysis	SM 2340C		1	25 mL	25 mL	72094	06/15/11 10:39	AJA	TAL DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	72215	06/16/11 07:45	BJD	TAL DEN
Total/NA	Analysis	SM 2320B		1	1.0 mL	1.0 mL	73002	06/20/11 22:34	AJA	TAL DEN

Client Sample ID: SW-13
Date Collected: 06/09/11 10:20
Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	71548	06/15/11 08:00	BLR	TAL DEN
Dissolved	Analysis	6010B		1			72224	06/16/11 03:11	HEB	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	71715	06/15/11 08:00	BLR	TAL DEN
Total Recoverable	Analysis	6010B		1			72311	06/16/11 04:19	HEB	TAL DEN
Total/NA	Analysis	180.1		1			71403	06/10/11 13:43	AJA	TAL DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	71952	06/14/11 14:27	PAG	TAL DEN
Total/NA	Analysis	SM 2340C		1	25 mL	25 mL	72094	06/15/11 10:39	AJA	TAL DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	72215	06/16/11 07:45	BJD	TAL DEN
Total/NA	Analysis	SM 2320B		1	1.0 mL	1.0 mL	73002	06/20/11 22:43	AJA	TAL DEN

Client Sample ID: SW-15
Date Collected: 06/09/11 10:45
Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	71548	06/15/11 08:00	BLR	TAL DEN
Dissolved	Analysis	6010B		1			72224	06/16/11 03:13	HEB	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	71715	06/15/11 08:00	BLR	TAL DEN
Total Recoverable	Analysis	6010B		1			72311	06/16/11 04:22	HEB	TAL DEN
Total/NA	Analysis	180.1		1			71403	06/10/11 13:43	AJA	TAL DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	71952	06/14/11 14:27	PAG	TAL DEN
Total/NA	Analysis	SM 2340C		1	25 mL	25 mL	72094	06/15/11 10:39	AJA	TAL DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	72215	06/16/11 07:45	BJD	TAL DEN
Total/NA	Analysis	SM 2320B		1	1.0 mL	1.0 mL	73002	06/20/11 23:09	AJA	TAL DEN

TestAmerica Denver

Lab Chronicle

Client: Waste Management
Project/Site: FL11|Trail Ridge

TestAmerica Job ID: 280-16796-1

Client Sample ID: SW-15(DUP)

Date Collected: 06/09/11 10:55

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	71548	06/15/11 08:00	BLR	TAL DEN
Dissolved	Analysis	6010B		1			72224	06/16/11 03:16	HEB	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	71715	06/15/11 08:00	BLR	TAL DEN
Total Recoverable	Analysis	6010B		1			72311	06/16/11 04:24	HEB	TAL DEN
Total/NA	Analysis	180.1		1			71403	06/10/11 13:43	AJA	TAL DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	71852	06/14/11 14:27	PAG	TAL DEN
Total/NA	Analysis	SM 2340C		1	25 mL	25 mL	72094	06/15/11 10:39	AJA	TAL DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	72215	06/16/11 07:45	BJD	TAL DEN
Total/NA	Analysis	SM 2320B		1	1.0 mL	1.0 mL	73002	06/20/11 23:17	AJA	TAL DEN

Client Sample ID: SW-19

Date Collected: 06/09/11 11:50

Date Received: 06/10/11 09:30

Lab Sample ID: 280-16796-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	71548	06/15/11 08:00	BLR	TAL DEN
Dissolved	Analysis	6010B		1			72224	06/16/11 03:16	HEB	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	71715	06/15/11 08:00	BLR	TAL DEN
Total Recoverable	Analysis	6010B		1			72311	06/16/11 04:27	HEB	TAL DEN
Total/NA	Analysis	180.1		1			71403	06/10/11 13:43	AJA	TAL DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	71852	06/14/11 14:27	PAG	TAL DEN
Total/NA	Analysis	SM 2340C		1	25 mL	25 mL	72094	06/15/11 10:39	AJA	TAL DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	72215	06/16/11 07:45	BJD	TAL DEN
Total/NA	Analysis	SM 2320B		1	1.0 mL	1.0 mL	73002	06/20/11 23:25	AJA	TAL DEN

Laboratory References:

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

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 280-18788-1

Login Number: 16795

List Source: TestAmerica Denver

List Number: 1

Creator: Harrington, Nicholas

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <8mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

13

ATTACHMENT 4

Data Comparison Graphs

Figure 1. Lead Concentration & pH

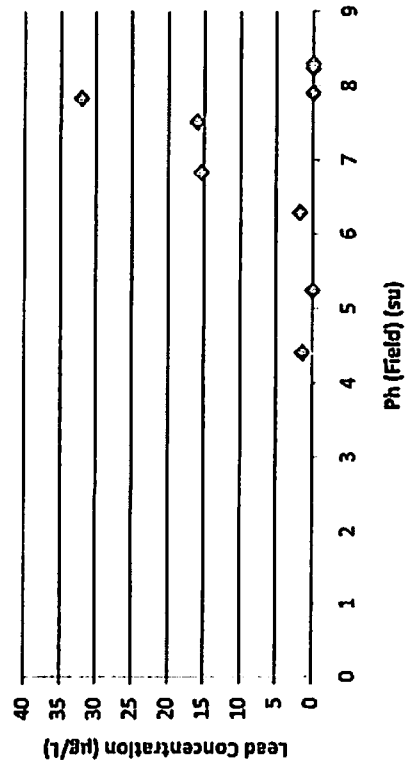


Figure 2. Lead & TSS Concentrations

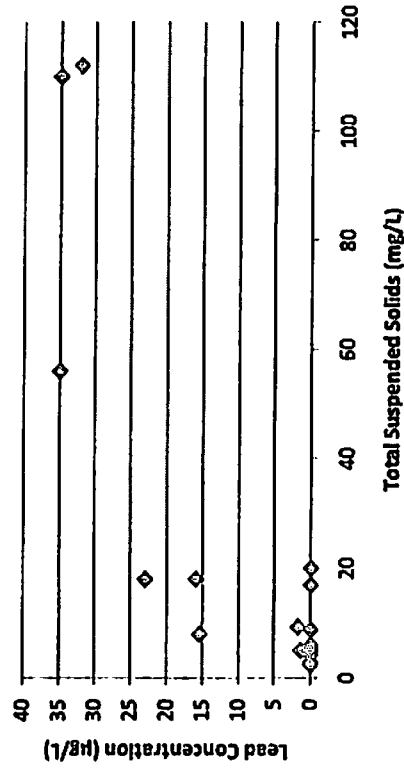


Figure 3. Lead & TDS Concentrations

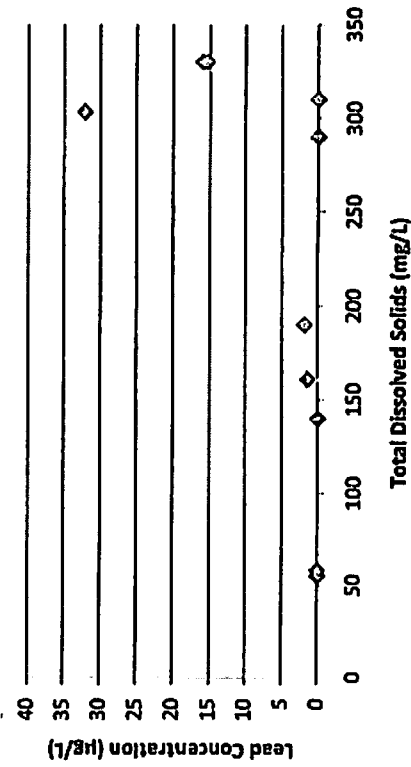


Figure 4. Lead & Turbidity Concentrations

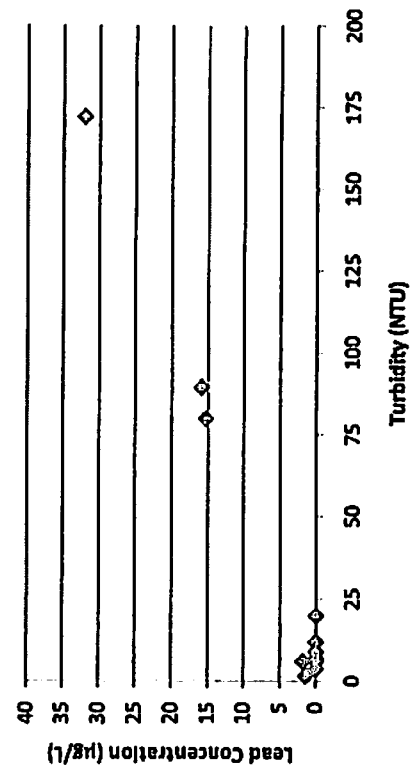


Figure 5. Lead Concentration & Temperature

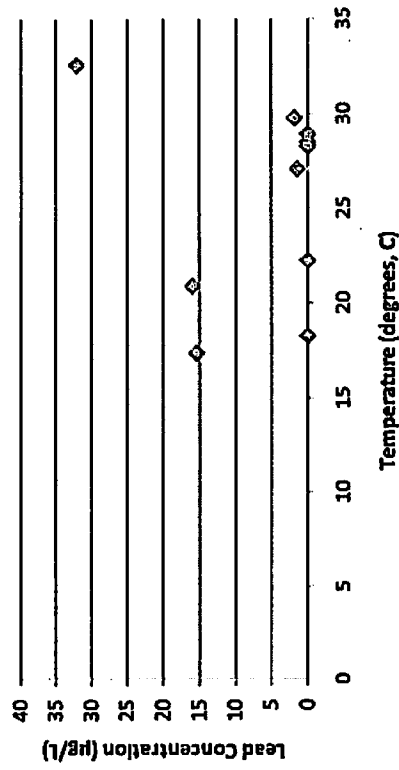


Figure 6. Lead & Hardness Concentrations

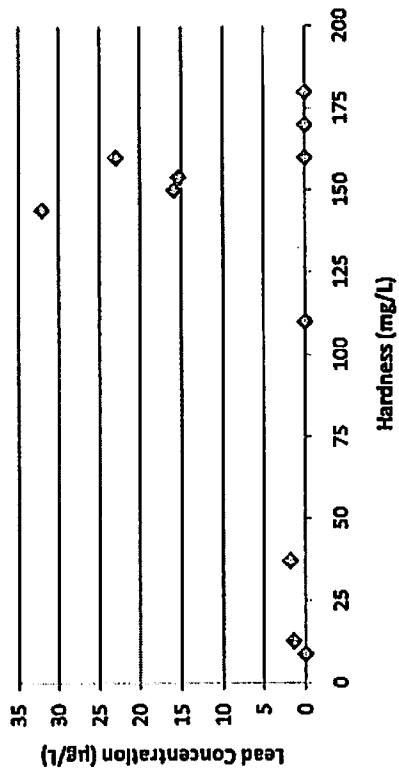


Figure 7. Lead Concentration & Conductivity

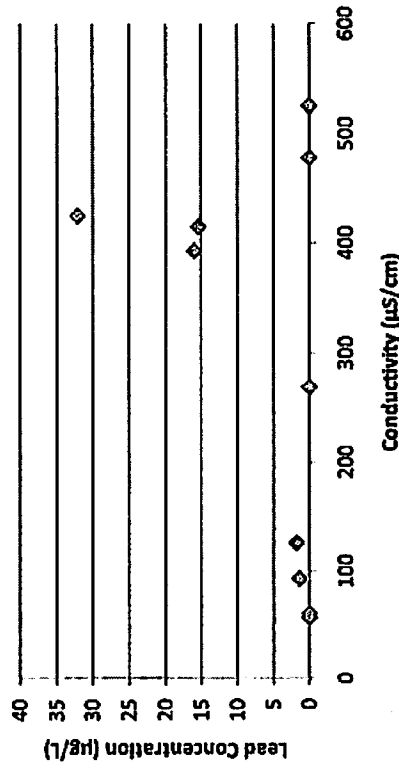
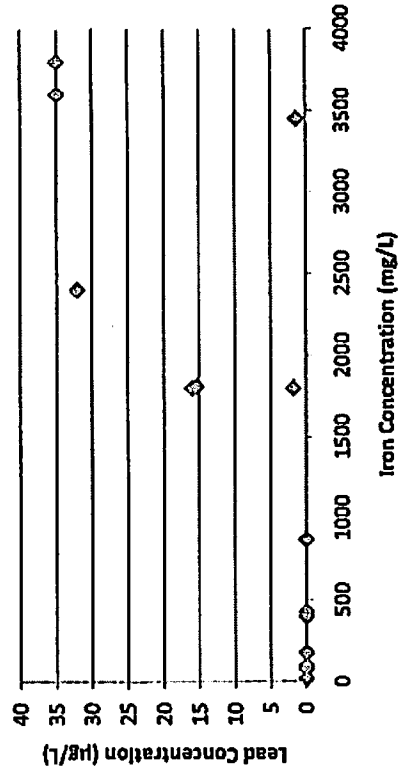


Figure 8. Lead & Iron Concentrations



ATTACHMENT 5

Lead Concentration Trend in Stormwater

