



**PROJECT MEMORANDUM**

**TO:** Craig Lewis  
**FROM:** L. S. (Butch) Reynolds, CIH  
**DATE:** November 17, 2011  
**RE:** **Results of Hazardous Material Survey;  
Petaluma Trestle Rehabilitation Project**  
**JOB #:** W&K Project No.0220511002

**Introduction**

We understand the current project for rehabilitating the timber railroad trestle located in downtown Petaluma will likely involve repair and/or replacement of existing wood elements that have been chemically treated to prevent damage by marine borers, insect and fungal attacks.

The purpose of this survey was to evaluate the trestle timbers for impacts related to the treated wood elements involved. The State of California, Department of Toxic Substances Control (DTSC) has special requirements for generators of treated wood waste. DTSC's alternative management standards for handling and disposal of treated wood are contingent on the waste not being subject to US EPA defined RCRA waste requirements. This survey was conducted to determine RCRA applicability and identify requirements for handling the treated wood structures impacted by the project.

**Site Survey Summary**

On September 27, 2011, Winzler & Kelly's (W&K's)'s hazardous materials team surveyed trestle's timber construction. Based on visual and olfactory evidence, it appeared that the trestle components are primarily creosote treated with the exception of some limited newer appearing pressure treated planking used to repair the deck.

For purposes of evaluating the components with respect to the RCRA waste criteria, W&K collected composite samples, approximately 200 grams or more each, from the following five categories of trestle lumber for analysis: "old/original deck planks"; railroad ties, trestle cross members, trestle piles; and "newer pressure treated planks". Each composite sample was taken from four or more sub-sample locations along the trestle to achieve a representative composite sample for analysis.

All five composite samples were submitted under chain of custody record to a California certified laboratory (TestAmerica) for analysis. The first four “creosote” treated lumber composite samples were analyzed by the RCRA Toxic Characteristic Leaching Procedure (TCLP) extraction method for metals (EPA 6010/7000) and semi-volatile organic chemicals (EPA 8270) and the fifth of newer pressure treated planking was submitted for the TCLP extraction method for metals only.

### Analytical Results

The results of the RCRA TCLP analysis are compared with the values in Table 1 of with 40 CFR 261.24 to determine RCRA applicability. None of the samples had reported results exceeding the EPA RCRA TCLP threshold values. The below table lists the detected analytes, sample results, and applicable RCRA TCLP regulatory levels for hazardous waste for comparison.

Sample #	Sample Description	RCRA TCLP Analyte Detected	Result (mg/l)	Regulatory Level (mg/l)
092711-1	Old Deck Planks*	Cresol	3.3	100
		¾-Methylphenol	2.5	200
		2-Methylphenol	0.79	200
		Barium	0.20	200
092711-2	Rail Road Ties*	Cresol	1.7	200
		¾-Methylphenol	1.3	200
		2-Methylphenol	0.43	200
092711-3	Trestle Beam/Cross Members*	Cresol	1.7	200
		¾-Methylphenol	1.3	200
		2-Methylphenol	0.40	200
092711-4	Trestle Piles*	Cresol	2.1	200
		¾-Methylphenol	1.5	200
		2-Methylphenol	0.54	200
092711-5	New Deck Planks**	Arsenic	3.4	5
		Barium	0.17	100

Notes: Samples labeled with one asterisk (\*) are for original creosote treated wood components; Sample labeled with two asterisks (\*\*) was a non-creosote pressure treated wood installed later (as deck repair). All samples were analyzed for eight RCRA metals; the creosote treated work samples were analyzed for both RCRA metals and semi-volatiles. See attached analytical report for complete data reporting including all non-detected analytes and quality control data.

## Conclusion & Recommendations

Winzler & Kelly sampled each of five possibly different treated wood conditions at the trestle. Based on the testing results, we are of the opinion that demolition waste and other debris resulting from this project is highly unlikely to require disposal as a RCRA hazardous waste. However, treated wood waste (TWW) is still considered a hazardous waste in California but once it is established that RCRA requirements do not apply, the California DTSC alternate management standards apply. These requirements are found in CCR Title 22, Division 4.5 Chapter 34. The environmental requirements for handling and disposal of TWW depend on quantity removed. For larger quantities (>1,000 lbs) and construction/demolition generated TWW, the rules that apply may be briefly summarized as follows:

1. Obtain prior confirmation that disposal site can accept the TWW waste. *Note: TWW maintains a listing of facilities permitted to receive TWW;*
2. Store TWW off the ground (use block, concrete, containers or other means);
3. Onsite storage is limited 90 days, 180 days or 1 year depending on storage method and containment;
4. Protect stored TWW from weather/rain;
5. Prevent public access to TWW (e.g. construction fence);
6. Burning TWW prohibited;
7. Reuse of TWW may be possible but is subject to DTSC waste rules (check);
8. No mixing of TWW with other construction or hazardous wastes;
9. TWW labeling requirements applies to shipments;
10. TWW shipping/disposal records must be kept for three years;
11. DTSC requires notification if generating more than 10,000 pounds TWW/year;
12. Disposal must be at facility permitted to accept TWW; &
13. Employees handling TWW must be trained (other Cal/OSHA requirements also apply).

The above is a simplified general listing of rules applying to production of TWW. The regulation should be reviewed in detail and agency (DTSC) contacted as necessary for specific questions or interpretations. Project specifications for handling and disposal of TWW should be prepared for inclusion in the contract documents to address the Cal/EPA (DTSC) and Cal/OSHA requirements as appropriate-W&K can assist with this task.

Please call me at (707) 652-4543 if you have any questions regarding this Memorandum.

Attachment:  
Analytical Report

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

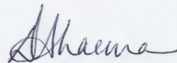
## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566  
Tel: (925)484-1919

TestAmerica Job ID: 720-37773-1  
Client Project/Site: Petaluma Trestle Rehabilitation

For:  
Winzler & Kelly Consulting Engineers  
3410 Industrial Blvd  
West Sacramento, California 95691

Attn: Mr. Butch Reynolds



Authorized for release by:  
10/20/2011 05:28:15 PM

Dimple Sharma  
Project Manager I  
[dimple.sharma@testamericainc.com](mailto:dimple.sharma@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



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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.*

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# Definitions/Glossary

Client: Winzler & Kelly Consulting Engineers  
Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

## Qualifiers

### GCMS-Semivolatiles

Qualifier	Qualifier Description
Z	Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

### Metals

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

## Glossary

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

# Case Narrative

Client: Winzler & Kelly Consulting Engineers  
Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

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**Job ID: 720-37773-1**

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**Laboratory: TestAmerica San Francisco**

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**Narrative**

**Job Narrative**  
720-37773-1

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**Metals**

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 100859 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

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# Detection Summary

Client: Winzler & Kelly Consulting Engineers  
Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

## Client Sample ID: 092711-1

## Lab Sample ID: 720-37773-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cresol	3.3		0.50		mg/l	5.0		EPA 8270C	TCLP
3/4-Methylphenol	2.5		0.50		mg/l	5.0		EPA 8270C	TCLP
2-Methylphenol	0.79		0.25		mg/l	5.0		EPA 8270C	TCLP
Barium	0.20		0.13		mg/L	2.5		6010B	TCLP

## Client Sample ID: 092711-2

## Lab Sample ID: 720-37773-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cresol	1.7		0.10		mg/l	1.0		EPA 8270C	TCLP
3/4-Methylphenol	1.3		0.10		mg/l	1.0		EPA 8270C	TCLP
2-Methylphenol	0.43		0.050		mg/l	1.0		EPA 8270C	TCLP

## Client Sample ID: 092711-3

## Lab Sample ID: 720-37773-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cresol	1.7		0.10		mg/l	1.0		EPA 8270C	TCLP
3/4-Methylphenol	1.3		0.10		mg/l	1.0		EPA 8270C	TCLP
2-Methylphenol	0.40		0.050		mg/l	1.0		EPA 8270C	TCLP

## Client Sample ID: 092711-4

## Lab Sample ID: 720-37773-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cresol	2.1		0.20		mg/l	2.0		EPA 8270C	TCLP
3/4-Methylphenol	1.5		0.20		mg/l	2.0		EPA 8270C	TCLP
2-Methylphenol	0.54		0.10		mg/l	2.0		EPA 8270C	TCLP

## Client Sample ID: 092711-5

## Lab Sample ID: 720-37773-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.4		0.25		mg/L	2.5		6010B	TCLP
Barium	0.17		0.13		mg/L	2.5		6010B	TCLP

# Client Sample Results

Client: Winzler & Kelly Consulting Engineers  
 Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

## Method: EPA 8270C - TCLP SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 1311/3520C/8270C) - TCLP

**Client Sample ID: 092711-1**  
**Date Collected: 09/27/11 11:30**  
**Date Received: 09/30/11 09:40**

**Lab Sample ID: 720-37773-1**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Cresol</b>	<b>3.3</b>		0.50		mg/l		10/11/11 12:48	10/14/11 20:19	5.0
1,4-Dichlorobenzene	ND		0.25		mg/l		10/11/11 12:48	10/14/11 20:19	5.0
<b>3/4-Methylphenol</b>	<b>2.5</b>		0.50		mg/l		10/11/11 12:48	10/14/11 20:19	5.0
2,4-Dinitrotoluene	ND		0.25		mg/l		10/11/11 12:48	10/14/11 20:19	5.0
Hexachlorobenzene	ND		0.25		mg/l		10/11/11 12:48	10/14/11 20:19	5.0
Hexachlorobutadiene	ND		0.25		mg/l		10/11/11 12:48	10/14/11 20:19	5.0
Hexachloroethane	ND		0.25		mg/l		10/11/11 12:48	10/14/11 20:19	5.0
<b>2-Methylphenol</b>	<b>0.79</b>		0.25		mg/l		10/11/11 12:48	10/14/11 20:19	5.0
Nitrobenzene	ND		1.0		mg/l		10/11/11 12:48	10/14/11 20:19	5.0
Pentachlorophenol	ND		1.0		mg/l		10/11/11 12:48	10/14/11 20:19	5.0
Pyridine	ND		0.25		mg/l		10/11/11 12:48	10/14/11 20:19	5.0
2,4,5-Trichlorophenol	ND		0.50		mg/l		10/11/11 12:48	10/14/11 20:19	5.0
2,4,6-Trichlorophenol	ND		0.50		mg/l		10/11/11 12:48	10/14/11 20:19	5.0
<b>Surrogate</b>	<b>% Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	64		40 - 120				10/11/11 12:48	10/14/11 20:19	5.0
2-Fluorobiphenyl	65		50 - 120				10/11/11 12:48	10/14/11 20:19	5.0
2-Fluorophenol	59		30 - 120				10/11/11 12:48	10/14/11 20:19	5.0
Nitrobenzene-d5	60		45 - 120				10/11/11 12:48	10/14/11 20:19	5.0
Phenol-d6	63		35 - 120				10/11/11 12:48	10/14/11 20:19	5.0
Terphenyl-d14	36	Z	50 - 125				10/11/11 12:48	10/14/11 20:19	5.0

**Client Sample ID: 092711-2**  
**Date Collected: 09/27/11 11:30**  
**Date Received: 09/30/11 09:40**

**Lab Sample ID: 720-37773-2**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Cresol</b>	<b>1.7</b>		0.10		mg/l		10/11/11 12:48	10/14/11 17:14	1.0
1,4-Dichlorobenzene	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:14	1.0
<b>3/4-Methylphenol</b>	<b>1.3</b>		0.10		mg/l		10/11/11 12:48	10/14/11 17:14	1.0
2,4-Dinitrotoluene	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:14	1.0
Hexachlorobenzene	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:14	1.0
Hexachlorobutadiene	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:14	1.0
Hexachloroethane	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:14	1.0
<b>2-Methylphenol</b>	<b>0.43</b>		0.050		mg/l		10/11/11 12:48	10/14/11 17:14	1.0
Nitrobenzene	ND		0.20		mg/l		10/11/11 12:48	10/14/11 17:14	1.0
Pentachlorophenol	ND		0.20		mg/l		10/11/11 12:48	10/14/11 17:14	1.0
Pyridine	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:14	1.0
2,4,5-Trichlorophenol	ND		0.10		mg/l		10/11/11 12:48	10/14/11 17:14	1.0
2,4,6-Trichlorophenol	ND		0.10		mg/l		10/11/11 12:48	10/14/11 17:14	1.0
<b>Surrogate</b>	<b>% Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	80		40 - 120				10/11/11 12:48	10/14/11 17:14	1.0
2-Fluorobiphenyl	75		50 - 120				10/11/11 12:48	10/14/11 17:14	1.0
2-Fluorophenol	64		30 - 120				10/11/11 12:48	10/14/11 17:14	1.0
Nitrobenzene-d5	68		45 - 120				10/11/11 12:48	10/14/11 17:14	1.0
Phenol-d6	75		35 - 120				10/11/11 12:48	10/14/11 17:14	1.0
Terphenyl-d14	78		50 - 125				10/11/11 12:48	10/14/11 17:14	1.0

# Client Sample Results

Client: Winzler & Kelly Consulting Engineers  
 Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

## Method: EPA 8270C - TCLP SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 1311/3520C/8270C) - TCLP

**Client Sample ID: 092711-3**  
**Date Collected: 09/27/11 11:30**  
**Date Received: 09/30/11 09:40**

**Lab Sample ID: 720-37773-3**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Cresol</b>	<b>1.7</b>		0.10		mg/l		10/11/11 12:48	10/14/11 17:35	1.0
1,4-Dichlorobenzene	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:35	1.0
<b>3/4-Methylphenol</b>	<b>1.3</b>		0.10		mg/l		10/11/11 12:48	10/14/11 17:35	1.0
2,4-Dinitrotoluene	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:35	1.0
Hexachlorobenzene	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:35	1.0
Hexachlorobutadiene	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:35	1.0
Hexachloroethane	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:35	1.0
<b>2-Methylphenol</b>	<b>0.40</b>		0.050		mg/l		10/11/11 12:48	10/14/11 17:35	1.0
Nitrobenzene	ND		0.20		mg/l		10/11/11 12:48	10/14/11 17:35	1.0
Pentachlorophenol	ND		0.20		mg/l		10/11/11 12:48	10/14/11 17:35	1.0
Pyridine	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:35	1.0
2,4,5-Trichlorophenol	ND		0.10		mg/l		10/11/11 12:48	10/14/11 17:35	1.0
2,4,6-Trichlorophenol	ND		0.10		mg/l		10/11/11 12:48	10/14/11 17:35	1.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	75		40 - 120	10/11/11 12:48	10/14/11 17:35	1.0
2-Fluorobiphenyl	71		50 - 120	10/11/11 12:48	10/14/11 17:35	1.0
2-Fluorophenol	66		30 - 120	10/11/11 12:48	10/14/11 17:35	1.0
Nitrobenzene-d5	66		45 - 120	10/11/11 12:48	10/14/11 17:35	1.0
Phenol-d6	83		35 - 120	10/11/11 12:48	10/14/11 17:35	1.0
Terphenyl-d14	75		50 - 125	10/11/11 12:48	10/14/11 17:35	1.0

**Client Sample ID: 092711-4**  
**Date Collected: 09/27/11 12:30**  
**Date Received: 09/30/11 09:40**

**Lab Sample ID: 720-37773-4**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Cresol</b>	<b>2.1</b>		0.20		mg/l		10/11/11 12:48	10/19/11 14:02	2.0
1,4-Dichlorobenzene	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:55	1.0
<b>3/4-Methylphenol</b>	<b>1.5</b>		0.20		mg/l		10/11/11 12:48	10/19/11 14:02	2.0
2,4-Dinitrotoluene	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:55	1.0
Hexachlorobenzene	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:55	1.0
Hexachlorobutadiene	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:55	1.0
Hexachloroethane	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:55	1.0
<b>2-Methylphenol</b>	<b>0.54</b>		0.10		mg/l		10/11/11 12:48	10/19/11 14:02	2.0
Nitrobenzene	ND		0.20		mg/l		10/11/11 12:48	10/14/11 17:55	1.0
Pentachlorophenol	ND		0.20		mg/l		10/11/11 12:48	10/14/11 17:55	1.0
Pyridine	ND		0.050		mg/l		10/11/11 12:48	10/14/11 17:55	1.0
2,4,5-Trichlorophenol	ND		0.10		mg/l		10/11/11 12:48	10/14/11 17:55	1.0
2,4,6-Trichlorophenol	ND		0.10		mg/l		10/11/11 12:48	10/14/11 17:55	1.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	77		40 - 120	10/11/11 12:48	10/14/11 17:55	1.0
2-Fluorobiphenyl	70		50 - 120	10/11/11 12:48	10/14/11 17:55	1.0
2-Fluorophenol	69		30 - 120	10/11/11 12:48	10/14/11 17:55	1.0
Nitrobenzene-d5	68		45 - 120	10/11/11 12:48	10/14/11 17:55	1.0
Phenol-d6	78		35 - 120	10/11/11 12:48	10/14/11 17:55	1.0
Terphenyl-d14	78		50 - 125	10/11/11 12:48	10/14/11 17:55	1.0

# Client Sample Results

Client: Winzler & Kelly Consulting Engineers  
 Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

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

**Client Sample ID: 092711-1**  
**Date Collected: 09/27/11 11:30**  
**Date Received: 09/30/11 09:40**

**Lab Sample ID: 720-37773-1**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.25		mg/L		10/13/11 09:13	10/13/11 19:29	2.5
<b>Barium</b>	<b>0.20</b>		0.13		mg/L		10/13/11 09:13	10/13/11 19:29	2.5
Cadmium	ND		0.063		mg/L		10/13/11 09:13	10/13/11 19:29	2.5
Chromium	ND		0.25		mg/L		10/13/11 09:13	10/13/11 19:29	2.5
Lead	ND		0.13		mg/L		10/13/11 09:13	10/13/11 19:29	2.5
Selenium	ND		0.50		mg/L		10/13/11 09:13	10/13/11 19:29	2.5
Silver	ND		0.13		mg/L		10/13/11 09:13	10/13/11 19:29	2.5

**Client Sample ID: 092711-2**  
**Date Collected: 09/27/11 11:30**  
**Date Received: 09/30/11 09:40**

**Lab Sample ID: 720-37773-2**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.25		mg/L		10/13/11 13:55	10/14/11 10:28	2.5
Barium	ND		0.13		mg/L		10/13/11 13:55	10/14/11 10:28	2.5
Cadmium	ND		0.063		mg/L		10/13/11 13:55	10/14/11 10:28	2.5
Chromium	ND		0.25		mg/L		10/13/11 13:55	10/14/11 10:28	2.5
Lead	ND		0.13		mg/L		10/13/11 13:55	10/14/11 10:28	2.5
Selenium	ND		0.50		mg/L		10/13/11 13:55	10/14/11 10:28	2.5
Silver	ND		0.13		mg/L		10/13/11 13:55	10/14/11 10:28	2.5

**Client Sample ID: 092711-3**  
**Date Collected: 09/27/11 11:30**  
**Date Received: 09/30/11 09:40**

**Lab Sample ID: 720-37773-3**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.25		mg/L		10/13/11 09:13	10/13/11 19:38	2.5
Barium	ND		0.13		mg/L		10/13/11 09:13	10/13/11 19:38	2.5
Cadmium	ND		0.063		mg/L		10/13/11 09:13	10/13/11 19:38	2.5
Chromium	ND		0.25		mg/L		10/13/11 09:13	10/13/11 19:38	2.5
Lead	ND		0.13		mg/L		10/13/11 09:13	10/13/11 19:38	2.5
Selenium	ND		0.50		mg/L		10/13/11 09:13	10/13/11 19:38	2.5
Silver	ND		0.13		mg/L		10/13/11 09:13	10/13/11 19:38	2.5

**Client Sample ID: 092711-4**  
**Date Collected: 09/27/11 12:30**  
**Date Received: 09/30/11 09:40**

**Lab Sample ID: 720-37773-4**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.25		mg/L		10/13/11 09:13	10/13/11 19:42	2.5
Barium	ND		0.13		mg/L		10/13/11 09:13	10/13/11 19:42	2.5
Cadmium	ND		0.063		mg/L		10/13/11 09:13	10/13/11 19:42	2.5
Chromium	ND		0.25		mg/L		10/13/11 09:13	10/13/11 19:42	2.5
Lead	ND		0.13		mg/L		10/13/11 09:13	10/13/11 19:42	2.5
Selenium	ND		0.50		mg/L		10/13/11 09:13	10/13/11 19:42	2.5
Silver	ND		0.13		mg/L		10/13/11 09:13	10/13/11 19:42	2.5

# Client Sample Results

Client: Winzler & Kelly Consulting Engineers  
Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

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

Client Sample ID: 092711-5  
Date Collected: 09/27/11 11:00  
Date Received: 09/30/11 09:40

Lab Sample ID: 720-37773-5  
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.4		0.25		mg/L		10/13/11 09:13	10/13/11 19:55	2.5
Barium	0.17		0.13		mg/L		10/13/11 09:13	10/13/11 19:55	2.5
Cadmium	ND		0.063		mg/L		10/13/11 09:13	10/13/11 19:55	2.5
Chromium	ND		0.25		mg/L		10/13/11 09:13	10/13/11 19:55	2.5
Lead	ND		0.13		mg/L		10/13/11 09:13	10/13/11 19:55	2.5
Selenium	ND		0.50		mg/L		10/13/11 09:13	10/13/11 19:55	2.5
Silver	ND		0.13		mg/L		10/13/11 09:13	10/13/11 19:55	2.5

# Client Sample Results

Client: Winzler & Kelly Consulting Engineers  
 Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

## Method: 7470A - Mercury (CVAA) - TCLP

**Client Sample ID: 092711-1**  
**Date Collected: 09/27/11 11:30**  
**Date Received: 09/30/11 09:40**

**Lab Sample ID: 720-37773-1**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020		mg/L		10/13/11 10:51	10/14/11 12:47	1

**Client Sample ID: 092711-2**  
**Date Collected: 09/27/11 11:30**  
**Date Received: 09/30/11 09:40**

**Lab Sample ID: 720-37773-2**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020		mg/L		10/13/11 14:32	10/14/11 16:32	1

**Client Sample ID: 092711-3**  
**Date Collected: 09/27/11 11:30**  
**Date Received: 09/30/11 09:40**

**Lab Sample ID: 720-37773-3**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020		mg/L		10/13/11 10:51	10/14/11 12:49	1

**Client Sample ID: 092711-4**  
**Date Collected: 09/27/11 12:30**  
**Date Received: 09/30/11 09:40**

**Lab Sample ID: 720-37773-4**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020		mg/L		10/13/11 10:51	10/14/11 12:51	1

**Client Sample ID: 092711-5**  
**Date Collected: 09/27/11 11:00**  
**Date Received: 09/30/11 09:40**

**Lab Sample ID: 720-37773-5**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020		mg/L		10/13/11 10:51	10/14/11 12:54	1

# QC Sample Results

Client: Winzler & Kelly Consulting Engineers  
 Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

## Method: EPA 8270C - TCLP SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 1311/3520C/8270C)

**Lab Sample ID: 11J1273-BLK1**

**Matrix: Solid**

**Analysis Batch: 11J1273**

**Client Sample ID: Method Blank**

**Prep Type: TCLP**

**Prep Batch: 11J1273\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cresol	ND		0.10		mg/l		10/11/11 12:48	10/13/11 12:15	1.00
1,4-Dichlorobenzene	ND		0.050		mg/l		10/11/11 12:48	10/13/11 12:15	1.00
3/4-Methylphenol	ND		0.10		mg/l		10/11/11 12:48	10/13/11 12:15	1.00
2,4-Dinitrotoluene	ND		0.050		mg/l		10/11/11 12:48	10/13/11 12:15	1.00
Hexachlorobenzene	ND		0.050		mg/l		10/11/11 12:48	10/13/11 12:15	1.00
Hexachlorobutadiene	ND		0.050		mg/l		10/11/11 12:48	10/13/11 12:15	1.00
Hexachloroethane	ND		0.050		mg/l		10/11/11 12:48	10/13/11 12:15	1.00
2-Methylphenol	ND		0.050		mg/l		10/11/11 12:48	10/13/11 12:15	1.00
Nitrobenzene	ND		0.20		mg/l		10/11/11 12:48	10/13/11 12:15	1.00
Pentachlorophenol	ND		0.20		mg/l		10/11/11 12:48	10/13/11 12:15	1.00
Pyridine	ND		0.050		mg/l		10/11/11 12:48	10/13/11 12:15	1.00
2,4,5-Trichlorophenol	ND		0.10		mg/l		10/11/11 12:48	10/13/11 12:15	1.00
2,4,6-Trichlorophenol	ND		0.10		mg/l		10/11/11 12:48	10/13/11 12:15	1.00

Surrogate	Blank	Blank	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
2,4,6-Tribromophenol	79		40 - 120	10/11/11 12:48	10/13/11 12:15	1.00
2-Fluorobiphenyl	79		50 - 120	10/11/11 12:48	10/13/11 12:15	1.00
2-Fluorophenol	74		30 - 120	10/11/11 12:48	10/13/11 12:15	1.00
Nitrobenzene-d5	70		45 - 120	10/11/11 12:48	10/13/11 12:15	1.00
Phenol-d6	75		35 - 120	10/11/11 12:48	10/13/11 12:15	1.00
Terphenyl-d14	89		50 - 125	10/11/11 12:48	10/13/11 12:15	1.00

**Lab Sample ID: 11J1273-BS1**

**Matrix: Solid**

**Analysis Batch: 11J1273**

**Client Sample ID: Lab Control Sample**

**Prep Type: TCLP**

**Prep Batch: 11J1273\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec	Limits
1,4-Dichlorobenzene	0.500	0.252		mg/l		50		35 - 120
3/4-Methylphenol	0.500	0.385		mg/l		77		45 - 120
2,4-Dinitrotoluene	0.500	0.470		mg/l		94		65 - 120
Hexachlorobenzene	0.500	0.373		mg/l		75		60 - 120
Hexachlorobutadiene	0.500	0.258		mg/l		52		40 - 120
Hexachloroethane	0.500	0.215		mg/l		43		35 - 120
2-Methylphenol	0.500	0.372		mg/l		74		50 - 120
Nitrobenzene	0.500	0.323		mg/l		65		55 - 120
Pentachlorophenol	0.500	0.361		mg/l		72		24 - 121
Pyridine	0.500	0.324		mg/l		65		30 - 120
2,4,5-Trichlorophenol	0.500	0.393		mg/l		79		55 - 120
2,4,6-Trichlorophenol	0.500	0.377		mg/l		75		55 - 120

Surrogate	LCS	LCS	Limits
	% Recovery	Qualifier	
2,4,6-Tribromophenol	78		40 - 120
2-Fluorobiphenyl	73		50 - 120
2-Fluorophenol	65		30 - 120
Nitrobenzene-d5	66		45 - 120
Phenol-d6	70		35 - 120
Terphenyl-d14	76		50 - 125

# QC Sample Results

Client: Winzler & Kelly Consulting Engineers  
 Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

## Method: EPA 8270C - TCLP SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 1311/3520C/8270C) (Continued)

**Lab Sample ID: 720-37773-1 MS**

**Matrix: Solid**

**Analysis Batch: 11J1273**

**Client Sample ID: 092711-1**

**Prep Type: TCLP**

**Prep Batch: 11J1273\_P**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,4-Dichlorobenzene	ND		0.500	0.222		mg/l		44		35 - 120
3/4-Methylphenol	2.54		0.500	3.05		mg/l		102		45 - 120
2,4-Dinitrotoluene	ND		0.500	0.375		mg/l		75		65 - 120
Hexachlorobenzene	ND		0.500	0.421		mg/l		84		60 - 120
Hexachlorobutadiene	ND		0.500	0.274		mg/l		55		40 - 120
Hexachloroethane	ND		0.500	0.210		mg/l		42		35 - 120
2-Methylphenol	0.794		0.500	1.17		mg/l		74		50 - 120
Nitrobenzene	ND		0.500	0.343		mg/l		69		55 - 120
Pentachlorophenol	ND		0.500	0.472		mg/l		94		24 - 121
Pyridine	0.161		0.500	0.287	M2	mg/l		25		30 - 120
2,4,5-Trichlorophenol	ND		0.500	0.424		mg/l		85		55 - 120
2,4,6-Trichlorophenol	ND		0.500	0.408		mg/l		82		55 - 120
<b>MS MS</b>										
Surrogate	% Recovery	Qualifier	Limits							
2,4,6-Tribromophenol	85		40 - 120							
2-Fluorobiphenyl	75		50 - 120							
2-Fluorophenol	56		30 - 120							
Nitrobenzene-d5	67		45 - 120							
Phenol-d6	62		35 - 120							
Terphenyl-d14	49	Z	50 - 125							

## Method: 6010B - Metals (ICP)

**Lab Sample ID: MB 720-100824/1-A**

**Matrix: Solid**

**Analysis Batch: 100897**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 100824**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		0.010		mg/L		10/13/11 09:13	10/13/11 19:04	1
Barium	ND		0.0050		mg/L		10/13/11 09:13	10/13/11 19:04	1
Cadmium	ND		0.0025		mg/L		10/13/11 09:13	10/13/11 19:04	1
Chromium	ND		0.010		mg/L		10/13/11 09:13	10/13/11 19:04	1
Lead	ND		0.0050		mg/L		10/13/11 09:13	10/13/11 19:04	1
Selenium	ND		0.020		mg/L		10/13/11 09:13	10/13/11 19:04	1
Silver	ND		0.0050		mg/L		10/13/11 09:13	10/13/11 19:04	1

**Lab Sample ID: LCS 720-100824/2-A**

**Matrix: Solid**

**Analysis Batch: 100897**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 100824**

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec.	Limits
		Result	Qualifier					
Arsenic	1.00	0.957		mg/L		96		80 - 120
Barium	1.00	1.05		mg/L		105		80 - 120
Cadmium	1.00	0.973		mg/L		97		80 - 120
Chromium	1.00	1.01		mg/L		101		80 - 120
Lead	1.00	0.990		mg/L		99		80 - 120
Selenium	1.00	0.907		mg/L		91		80 - 120
Silver	0.500	0.495		mg/L		99		80 - 120

# QC Sample Results

Client: Winzler & Kelly Consulting Engineers  
 Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

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

**Lab Sample ID: LCSD 720-100824/3-A**

**Matrix: Solid**

**Analysis Batch: 100897**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 100824**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	Limit
							Limits	RPD		
Arsenic	1.00	0.980		mg/L		98	80 - 120	2	20	
Barium	1.00	1.05		mg/L		105	80 - 120	0	20	
Cadmium	1.00	0.993		mg/L		99	80 - 120	2	20	
Chromium	1.00	1.02		mg/L		102	80 - 120	1	20	
Lead	1.00	1.01		mg/L		101	80 - 120	2	20	
Selenium	1.00	0.929		mg/L		93	80 - 120	2	20	
Silver	0.500	0.498		mg/L		100	80 - 120	1	20	

**Lab Sample ID: MB 720-100859/1-A**

**Matrix: Solid**

**Analysis Batch: 100943**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 100859**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		0.010		mg/L		10/13/11 13:55	10/14/11 10:11	1
Barium	ND		0.0050		mg/L		10/13/11 13:55	10/14/11 10:11	1
Cadmium	ND		0.0025		mg/L		10/13/11 13:55	10/14/11 10:11	1
Chromium	ND		0.010		mg/L		10/13/11 13:55	10/14/11 10:11	1
Lead	ND		0.0050		mg/L		10/13/11 13:55	10/14/11 10:11	1
Selenium	ND		0.020		mg/L		10/13/11 13:55	10/14/11 10:11	1
Silver	ND		0.0050		mg/L		10/13/11 13:55	10/14/11 10:11	1

**Lab Sample ID: LCS 720-100859/2-A**

**Matrix: Solid**

**Analysis Batch: 100943**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 100859**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	RPD
Arsenic	1.00	0.968		mg/L		97	80 - 120	
Barium	1.00	1.01		mg/L		101	80 - 120	
Cadmium	1.00	1.00		mg/L		100	80 - 120	
Chromium	1.00	1.01		mg/L		101	80 - 120	
Lead	1.00	1.01		mg/L		101	80 - 120	
Selenium	1.00	0.957		mg/L		96	80 - 120	
Silver	0.500	0.487		mg/L		97	80 - 120	

**Lab Sample ID: LCSD 720-100859/3-A**

**Matrix: Solid**

**Analysis Batch: 100943**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 100859**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	Limit
							Limits	RPD		
Arsenic	1.00	0.944		mg/L		94	80 - 120	3	20	
Barium	1.00	0.986		mg/L		99	80 - 120	2	20	
Cadmium	1.00	0.971		mg/L		97	80 - 120	3	20	
Chromium	1.00	0.986		mg/L		99	80 - 120	2	20	
Lead	1.00	0.984		mg/L		98	80 - 120	3	20	
Selenium	1.00	0.932		mg/L		93	80 - 120	3	20	
Silver	0.500	0.479		mg/L		96	80 - 120	2	20	

# QC Sample Results

Client: Winzler & Kelly Consulting Engineers  
 Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

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

Lab Sample ID: LB 720-100753/1-B LB

Matrix: Solid

Analysis Batch: 100897

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 100824

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		0.25		mg/L		10/13/11 09:13	10/13/11 19:16	2.5
Barium	ND		0.13		mg/L		10/13/11 09:13	10/13/11 19:16	2.5
Cadmium	ND		0.063		mg/L		10/13/11 09:13	10/13/11 19:16	2.5
Chromium	ND		0.25		mg/L		10/13/11 09:13	10/13/11 19:16	2.5
Lead	ND		0.13		mg/L		10/13/11 09:13	10/13/11 19:16	2.5
Selenium	ND		0.50		mg/L		10/13/11 09:13	10/13/11 19:16	2.5
Silver	ND		0.13		mg/L		10/13/11 09:13	10/13/11 19:16	2.5

Lab Sample ID: 720-37773-1 MS

Matrix: Solid

Analysis Batch: 100897

Client Sample ID: 092711-1

Prep Type: TCLP

Prep Batch: 100824

Analyte	Sample	Sample	Spike	MS MS		Unit	D	% Rec	% Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Arsenic	ND		10.0	10.2		mg/L		102	75 - 125	
Barium	0.20		10.0	10.8		mg/L		106	75 - 125	
Cadmium	ND		10.0	10.3		mg/L		103	75 - 125	
Chromium	ND		10.0	10.5		mg/L		105	75 - 125	
Lead	ND		10.0	10.3		mg/L		103	75 - 125	
Selenium	ND		10.0	9.76		mg/L		98	75 - 125	
Silver	ND		5.00	5.16		mg/L		103	75 - 125	

Lab Sample ID: 720-37773-1 MSD

Matrix: Solid

Analysis Batch: 100897

Client Sample ID: 092711-1

Prep Type: TCLP

Prep Batch: 100824

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	% Rec	% Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Arsenic	ND		10.0	10.0		mg/L		100	75 - 125	1	20	
Barium	0.20		10.0	10.8		mg/L		106	75 - 125	0	20	
Cadmium	ND		10.0	10.3		mg/L		103	75 - 125	1	20	
Chromium	ND		10.0	10.4		mg/L		104	75 - 125	1	20	
Lead	ND		10.0	10.2		mg/L		102	75 - 125	1	20	
Selenium	ND		10.0	9.71		mg/L		97	75 - 125	1	20	
Silver	ND		5.00	5.16		mg/L		103	75 - 125	0	20	

Lab Sample ID: LB 720-100795/1-B LB

Matrix: Solid

Analysis Batch: 100943

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 100859

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		0.25		mg/L		10/13/11 13:55	10/14/11 10:24	2.5
Barium	ND		0.13		mg/L		10/13/11 13:55	10/14/11 10:24	2.5
Cadmium	ND		0.063		mg/L		10/13/11 13:55	10/14/11 10:24	2.5
Chromium	ND		0.25		mg/L		10/13/11 13:55	10/14/11 10:24	2.5
Lead	ND		0.13		mg/L		10/13/11 13:55	10/14/11 10:24	2.5
Selenium	ND		0.50		mg/L		10/13/11 13:55	10/14/11 10:24	2.5
Silver	ND		0.13		mg/L		10/13/11 13:55	10/14/11 10:24	2.5

# QC Sample Results

Client: Winzler & Kelly Consulting Engineers  
 Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

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

Lab Sample ID: 720-37773-2 MS

Matrix: Solid

Analysis Batch: 100943

Client Sample ID: 092711-2

Prep Type: TCLP

Prep Batch: 100859

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	% Rec	% Rec.	
	Result	Qualifier		Result	Qualifier				Limits	
Arsenic	ND		10.0	12.4		mg/L		124	75 - 125	
Barium	ND		10.0	13.3	F	mg/L		133	75 - 125	
Cadmium	ND		10.0	12.6	F	mg/L		126	75 - 125	
Chromium	ND		10.0	13.1	F	mg/L		131	75 - 125	
Lead	ND		10.0	12.6		mg/L		125	75 - 125	
Selenium	ND		10.0	12.2		mg/L		122	75 - 125	
Silver	ND		5.00	6.43	F	mg/L		129	75 - 125	

Lab Sample ID: 720-37773-2 MSD

Matrix: Solid

Analysis Batch: 100943

Client Sample ID: 092711-2

Prep Type: TCLP

Prep Batch: 100859

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	% Rec	% Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit	
Arsenic	ND		10.0	11.7		mg/L		117	75 - 125	6	20	
Barium	ND		10.0	12.5		mg/L		124	75 - 125	7	20	
Cadmium	ND		10.0	12.0		mg/L		120	75 - 125	5	20	
Chromium	ND		10.0	12.5		mg/L		125	75 - 125	4	20	
Lead	ND		10.0	11.9		mg/L		118	75 - 125	5	20	
Selenium	ND		10.0	11.7		mg/L		117	75 - 125	5	20	
Silver	ND		5.00	6.09		mg/L		122	75 - 125	5	20	

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 720-100841/1-A

Matrix: Solid

Analysis Batch: 100950

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100841

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.0020		mg/L		10/13/11 10:51	10/14/11 12:32	1

Lab Sample ID: LCS 720-100841/2-A

Matrix: Solid

Analysis Batch: 100950

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100841

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Mercury	0.0100	0.0111		mg/L		111	80 - 120	

Lab Sample ID: LCSD 720-100841/3-A

Matrix: Solid

Analysis Batch: 100950

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100841

Analyte	Spike Added	LCSD	LCSD	Unit	D	% Rec	% Rec.		RPD	
		Result	Qualifier				Limits	RPD	Limit	
Mercury	0.0100	0.0112		mg/L		112	80 - 120	1	20	

Lab Sample ID: MB 720-100863/1-A

Matrix: Solid

Analysis Batch: 100961

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100863

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.0020		mg/L		10/13/11 14:32	10/14/11 16:18	1

# QC Sample Results

Client: Winzler & Kelly Consulting Engineers  
 Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

## Method: 7470A - Mercury (CVAA) (Continued)

**Lab Sample ID:** LCS 720-100863/2-A  
**Matrix:** Solid  
**Analysis Batch:** 100961

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Total/NA  
**Prep Batch:** 100863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	0.0100	0.0110		mg/L		110	80 - 120

**Lab Sample ID:** LCSD 720-100863/3-A  
**Matrix:** Solid  
**Analysis Batch:** 100961

**Client Sample ID:** Lab Control Sample Dup  
**Prep Type:** Total/NA  
**Prep Batch:** 100863

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.0111		mg/L		111	80 - 120	1	20

**Lab Sample ID:** LB 720-100753/1-C LB  
**Matrix:** Solid  
**Analysis Batch:** 100950

**Client Sample ID:** Method Blank  
**Prep Type:** TCLP  
**Prep Batch:** 100841

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020		mg/L		10/13/11 10:51	10/14/11 12:39	1

**Lab Sample ID:** 720-37773-1 MS  
**Matrix:** Solid  
**Analysis Batch:** 100950

**Client Sample ID:** 092711-1  
**Prep Type:** TCLP  
**Prep Batch:** 100841

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	ND		0.0100	0.0116		mg/L		116	75 - 125

**Lab Sample ID:** 720-37773-1 MSD  
**Matrix:** Solid  
**Analysis Batch:** 100950

**Client Sample ID:** 092711-1  
**Prep Type:** TCLP  
**Prep Batch:** 100841

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	ND		0.0100	0.0116		mg/L		116	75 - 125	0	20

**Lab Sample ID:** LB 720-100795/1-C LB  
**Matrix:** Solid  
**Analysis Batch:** 100961

**Client Sample ID:** Method Blank  
**Prep Type:** TCLP  
**Prep Batch:** 100863

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020		mg/L		10/13/11 14:32	10/14/11 16:26	1

**Lab Sample ID:** 720-37773-2 MS  
**Matrix:** Solid  
**Analysis Batch:** 100961

**Client Sample ID:** 092711-2  
**Prep Type:** TCLP  
**Prep Batch:** 100863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	ND		0.0100	0.0113		mg/L		113	75 - 125

**Lab Sample ID:** 720-37773-2 MSD  
**Matrix:** Solid  
**Analysis Batch:** 100961

**Client Sample ID:** 092711-2  
**Prep Type:** TCLP  
**Prep Batch:** 100863

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	ND		0.0100	0.0110		mg/L		110	75 - 125	3	20

# QC Association Summary

Client: Winzler & Kelly Consulting Engineers  
 Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

## GCMS-Semivolatiles

### Analysis Batch: 11J1273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11J1273-BLK1	Method Blank	TCLP	Solid	EPA 8270C	11J1273_P
11J1273-BS1	Lab Control Sample	TCLP	Solid	EPA 8270C	11J1273_P
720-37773-1	092711-1	TCLP	Solid	EPA 8270C	11J1273_P
720-37773-1 MS	092711-1	TCLP	Solid	EPA 8270C	11J1273_P
720-37773-2	092711-2	TCLP	Solid	EPA 8270C	11J1273_P
720-37773-3	092711-3	TCLP	Solid	EPA 8270C	11J1273_P
720-37773-4	092711-4	TCLP	Solid	EPA 8270C	11J1273_P

### Prep Batch: 11J1273\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11J1273-BLK1	Method Blank	TCLP	Solid	EPA 1311/3520C	
11J1273-BS1	Lab Control Sample	TCLP	Solid	EPA 1311/3520C	
720-37773-1	092711-1	TCLP	Solid	EPA 1311/3520C	
720-37773-1 MS	092711-1	TCLP	Solid	EPA 1311/3520C	
720-37773-2	092711-2	TCLP	Solid	EPA 1311/3520C	
720-37773-3	092711-3	TCLP	Solid	EPA 1311/3520C	
720-37773-4	092711-4	TCLP	Solid	EPA 1311/3520C	

## Metals

### Leach Batch: 100753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37773-1	092711-1	TCLP	Solid	1311	
720-37773-1 MS	092711-1	TCLP	Solid	1311	
720-37773-1 MSD	092711-1	TCLP	Solid	1311	
720-37773-3	092711-3	TCLP	Solid	1311	
720-37773-4	092711-4	TCLP	Solid	1311	
720-37773-5	092711-5	TCLP	Solid	1311	
LB 720-100753/1-B LB	Method Blank	TCLP	Solid	1311	
LB 720-100753/1-C LB	Method Blank	TCLP	Solid	1311	

### Leach Batch: 100795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37773-2	092711-2	TCLP	Solid	1311	
720-37773-2 MS	092711-2	TCLP	Solid	1311	
720-37773-2 MSD	092711-2	TCLP	Solid	1311	
LB 720-100795/1-B LB	Method Blank	TCLP	Solid	1311	
LB 720-100795/1-C LB	Method Blank	TCLP	Solid	1311	

### Prep Batch: 100824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37773-1	092711-1	TCLP	Solid	3010A	100753
720-37773-1 MS	092711-1	TCLP	Solid	3010A	100753
720-37773-1 MSD	092711-1	TCLP	Solid	3010A	100753
720-37773-3	092711-3	TCLP	Solid	3010A	100753
720-37773-4	092711-4	TCLP	Solid	3010A	100753
720-37773-5	092711-5	TCLP	Solid	3010A	100753

# QC Association Summary

Client: Winzler & Kelly Consulting Engineers  
 Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

## Metals (Continued)

### Prep Batch: 100824 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 720-100753/1-B LB	Method Blank	TCLP	Solid	3010A	100753
LCS 720-100824/2-A	Lab Control Sample	Total/NA	Solid	3010A	
LCSD 720-100824/3-A	Lab Control Sample Dup	Total/NA	Solid	3010A	
MB 720-100824/1-A	Method Blank	Total/NA	Solid	3010A	

### Prep Batch: 100841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37773-1	092711-1	TCLP	Solid	7470A	100753
720-37773-1 MS	092711-1	TCLP	Solid	7470A	100753
720-37773-1 MSD	092711-1	TCLP	Solid	7470A	100753
720-37773-3	092711-3	TCLP	Solid	7470A	100753
720-37773-4	092711-4	TCLP	Solid	7470A	100753
720-37773-5	092711-5	TCLP	Solid	7470A	100753
LB 720-100753/1-C LB	Method Blank	TCLP	Solid	7470A	100753
LCS 720-100841/2-A	Lab Control Sample	Total/NA	Solid	7470A	
LCSD 720-100841/3-A	Lab Control Sample Dup	Total/NA	Solid	7470A	
MB 720-100841/1-A	Method Blank	Total/NA	Solid	7470A	

### Prep Batch: 100859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37773-2	092711-2	TCLP	Solid	3010A	100795
720-37773-2 MS	092711-2	TCLP	Solid	3010A	100795
720-37773-2 MSD	092711-2	TCLP	Solid	3010A	100795
LB 720-100795/1-B LB	Method Blank	TCLP	Solid	3010A	100795
LCS 720-100859/2-A	Lab Control Sample	Total/NA	Solid	3010A	
LCSD 720-100859/3-A	Lab Control Sample Dup	Total/NA	Solid	3010A	
MB 720-100859/1-A	Method Blank	Total/NA	Solid	3010A	

### Prep Batch: 100863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37773-2	092711-2	TCLP	Solid	7470A	100795
720-37773-2 MS	092711-2	TCLP	Solid	7470A	100795
720-37773-2 MSD	092711-2	TCLP	Solid	7470A	100795
LB 720-100795/1-C LB	Method Blank	TCLP	Solid	7470A	100795
LCS 720-100863/2-A	Lab Control Sample	Total/NA	Solid	7470A	
LCSD 720-100863/3-A	Lab Control Sample Dup	Total/NA	Solid	7470A	
MB 720-100863/1-A	Method Blank	Total/NA	Solid	7470A	

### Analysis Batch: 100897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37773-1	092711-1	TCLP	Solid	6010B	100824
720-37773-1 MS	092711-1	TCLP	Solid	6010B	100824
720-37773-1 MSD	092711-1	TCLP	Solid	6010B	100824
720-37773-3	092711-3	TCLP	Solid	6010B	100824
720-37773-4	092711-4	TCLP	Solid	6010B	100824
720-37773-5	092711-5	TCLP	Solid	6010B	100824
LB 720-100753/1-B LB	Method Blank	TCLP	Solid	6010B	100824
LCS 720-100824/2-A	Lab Control Sample	Total/NA	Solid	6010B	100824
LCSD 720-100824/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	100824
MB 720-100824/1-A	Method Blank	Total/NA	Solid	6010B	100824

# QC Association Summary

Client: Winzler & Kelly Consulting Engineers  
 Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

## Metals (Continued)

### Analysis Batch: 100943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37773-2	092711-2	TCLP	Solid	6010B	100859
720-37773-2 MS	092711-2	TCLP	Solid	6010B	100859
720-37773-2 MSD	092711-2	TCLP	Solid	6010B	100859
LB 720-100795/1-B LB	Method Blank	TCLP	Solid	6010B	100859
LCS 720-100859/2-A	Lab Control Sample	Total/NA	Solid	6010B	100859
LCSD 720-100859/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	100859
MB 720-100859/1-A	Method Blank	Total/NA	Solid	6010B	100859

### Analysis Batch: 100950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37773-1	092711-1	TCLP	Solid	7470A	100841
720-37773-1 MS	092711-1	TCLP	Solid	7470A	100841
720-37773-1 MSD	092711-1	TCLP	Solid	7470A	100841
720-37773-3	092711-3	TCLP	Solid	7470A	100841
720-37773-4	092711-4	TCLP	Solid	7470A	100841
720-37773-5	092711-5	TCLP	Solid	7470A	100841
LB 720-100753/1-C LB	Method Blank	TCLP	Solid	7470A	100841
LCS 720-100841/2-A	Lab Control Sample	Total/NA	Solid	7470A	100841
LCSD 720-100841/3-A	Lab Control Sample Dup	Total/NA	Solid	7470A	100841
MB 720-100841/1-A	Method Blank	Total/NA	Solid	7470A	100841

### Analysis Batch: 100961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37773-2	092711-2	TCLP	Solid	7470A	100863
720-37773-2 MS	092711-2	TCLP	Solid	7470A	100863
720-37773-2 MSD	092711-2	TCLP	Solid	7470A	100863
LB 720-100795/1-C LB	Method Blank	TCLP	Solid	7470A	100863
LCS 720-100863/2-A	Lab Control Sample	Total/NA	Solid	7470A	100863
LCSD 720-100863/3-A	Lab Control Sample Dup	Total/NA	Solid	7470A	100863
MB 720-100863/1-A	Method Blank	Total/NA	Solid	7470A	100863

# Lab Chronicle

Client: Winzler & Kelly Consulting Engineers  
 Project/Site: Petaluma Trestle Rahabilitation

TestAmerica Job ID: 720-37773-1

## Client Sample ID: 092711-1

Date Collected: 09/27/11 11:30

Date Received: 09/30/11 09:40

## Lab Sample ID: 720-37773-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
TCLP	Prep	EPA 1311/3520C		1.0	11J1273_P	10/11/11 12:48	LA	TAL IRV
TCLP	Analysis	EPA 8270C		5.0	11J1273	10/14/11 20:19	AI/	TAL IRV
TCLP	Leach	1311			100753	10/12/11 15:42	JR	TAL SF
TCLP	Prep	3010A			100824	10/13/11 09:13	ET	TAL SF
TCLP	Analysis	6010B		2.5	100897	10/13/11 19:29	BA	TAL SF
TCLP	Prep	7470A			100841	10/13/11 10:51	ET	TAL SF
TCLP	Analysis	7470A		1	100950	10/14/11 12:47	ET	TAL SF

## Client Sample ID: 092711-2

Date Collected: 09/27/11 11:30

Date Received: 09/30/11 09:40

## Lab Sample ID: 720-37773-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
TCLP	Prep	EPA 1311/3520C		1.0	11J1273_P	10/11/11 12:48	LA	TAL IRV
TCLP	Analysis	EPA 8270C		1.0	11J1273	10/14/11 17:14	AI/	TAL IRV
TCLP	Leach	1311			100795	10/12/11 22:12	SK	TAL SF
TCLP	Prep	3010A			100859	10/13/11 13:55	JR	TAL SF
TCLP	Analysis	6010B		2.5	100943	10/14/11 10:28	EFH	TAL SF
TCLP	Prep	7470A			100863	10/13/11 14:32	ET	TAL SF
TCLP	Analysis	7470A		1	100961	10/14/11 16:32	EFH	TAL SF

## Client Sample ID: 092711-3

Date Collected: 09/27/11 11:30

Date Received: 09/30/11 09:40

## Lab Sample ID: 720-37773-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
TCLP	Prep	EPA 1311/3520C		1.0	11J1273_P	10/11/11 12:48	LA	TAL IRV
TCLP	Analysis	EPA 8270C		1.0	11J1273	10/14/11 17:35	AI/	TAL IRV
TCLP	Leach	1311			100753	10/12/11 15:42	JR	TAL SF
TCLP	Prep	3010A			100824	10/13/11 09:13	ET	TAL SF
TCLP	Analysis	6010B		2.5	100897	10/13/11 19:38	BA	TAL SF
TCLP	Prep	7470A			100841	10/13/11 10:51	ET	TAL SF
TCLP	Analysis	7470A		1	100950	10/14/11 12:49	ET	TAL SF

## Client Sample ID: 092711-4

Date Collected: 09/27/11 12:30

Date Received: 09/30/11 09:40

## Lab Sample ID: 720-37773-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
TCLP	Prep	EPA 1311/3520C		1.0	11J1273_P	10/11/11 12:48	LA	TAL IRV
TCLP	Analysis	EPA 8270C		1.0	11J1273	10/14/11 17:55	AI/	TAL IRV
TCLP	Analysis	EPA 8270C		2.0	11J1273	10/19/11 14:02	UP	TAL IRV
TCLP	Leach	1311			100753	10/12/11 15:42	JR	TAL SF
TCLP	Prep	3010A			100824	10/13/11 09:13	ET	TAL SF
TCLP	Analysis	6010B		2.5	100897	10/13/11 19:42	BA	TAL SF

# Lab Chronicle

Client: Winzler & Kelly Consulting Engineers  
Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

## Client Sample ID: 092711-4

Lab Sample ID: 720-37773-4

Date Collected: 09/27/11 12:30

Matrix: Solid

Date Received: 09/30/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
TCLP	Prep	7470A			100841	10/13/11 10:51	ET	TAL SF
TCLP	Analysis	7470A		1	100950	10/14/11 12:51	ET	TAL SF

## Client Sample ID: 092711-5

Lab Sample ID: 720-37773-5

Date Collected: 09/27/11 11:00

Matrix: Solid

Date Received: 09/30/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
TCLP	Leach	1311			100753	10/12/11 15:42	JR	TAL SF
TCLP	Prep	3010A			100824	10/13/11 09:13	ET	TAL SF
TCLP	Analysis	6010B		2.5	100897	10/13/11 19:55	BA	TAL SF
TCLP	Prep	7470A			100841	10/13/11 10:51	ET	TAL SF
TCLP	Analysis	7470A		1	100950	10/14/11 12:54	ET	TAL SF

### Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Avenue, Suite 100, Irvine, CA 92614, TEL (949) 261-1022

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

# Certification Summary

Client: Winzler & Kelly Consulting Engineers  
 Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica San Francisco	California	State Program	9	2496
TestAmerica Irvine	Arizona	State Program	9	AZ0671
TestAmerica Irvine	California	LA Cty Sanitation Districts	9	10256
TestAmerica Irvine	California	NELAC	9	1108CA
TestAmerica Irvine	California	State Program	9	2706
TestAmerica Irvine	Guam	State Program	9	Cert. No. 10.001r
TestAmerica Irvine	Hawaii	State Program	9	N/A
TestAmerica Irvine	Nevada	State Program	9	CA015312007A
TestAmerica Irvine	New Mexico	State Program	6	N/A
TestAmerica Irvine	Northern Mariana Islands	State Program	9	MP0002
TestAmerica Irvine	Oregon	State Program	10	4005
TestAmerica Irvine	USDA	USDA		P330-09-00080

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



# Method Summary

Client: Winzler & Kelly Consulting Engineers  
Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

Method	Method Description	Protocol	Laboratory
EPA 8270C	TCLP SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 1311/3520C/8270C)		TAL IRV
6010B	Metals (ICP)	SW846	TAL SF
7470A	Mercury (CVAA)	SW846	TAL SF

**Protocol References:**

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

**Laboratory References:**

TAL IRV = TestAmerica Irvine, 17461 Derian Avenue, Suite 100, Irvine, CA 92614, TEL (949) 261-1022

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



# Sample Summary

Client: Winzler & Kelly Consulting Engineers  
Project/Site: Petaluma Trestle Rehabilitation

TestAmerica Job ID: 720-37773-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-37773-1	092711-1	Solid	09/27/11 11:30	09/30/11 09:40
720-37773-2	092711-2	Solid	09/27/11 11:30	09/30/11 09:40
720-37773-3	092711-3	Solid	09/27/11 11:30	09/30/11 09:40
720-37773-4	092711-4	Solid	09/27/11 12:30	09/30/11 09:40
720-37773-5	092711-5	Solid	09/27/11 11:00	09/30/11 09:40

- 1
- 2
- 3
- 4
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- 11
- 12
- 13
- 14

Pleasanton, CA 94566  
phone 925.484.1919 fax 925.600.3002

Chain of Custody Record  
720-37773

TestAmerica  
THE LEADER IN ENVIRONMENTAL TESTING  
TestAmerica Laboratories, Inc.  
132580

Client Contact		Project Manager: Butch Reynolds		Site Contact:		Date:		COC No:		
3831 North Freeway Blvd Suite # 220		Tel/Fax: 707-652-4543 Mobile		Lab Contact:		Carrier:		of 1 COCs		
Sacramento, CA 95834-1933		Calendar (C) or Work Days (W)						Job No.		
(916) 372-6606 Phone		TAT if different from Below						SDG No.		
(916) 372-6616 FAX		<input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day								
Project Name: Paluma Trestle Rehabilitation Project										
Site: Paluma, CA										
P O # 02055-11-002-32110										
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	RCRA TCLP Metals	RCRA TCLP Sem-Volatiles	RCRA TCLP PCBs	Sample Specific Notes
092711-1	9/27/2011	10-1130	Solid/Bulk	Wood	1		X	X	X	metals + Sem-Vol
092711-2	9/27/11	10-1130	Solid/Bulk	Wood	1		X	X	X	
092711-3	9/27/11	10-11 30	Solid/Bulk	Wood	1		X	X	X	
092711-4	9/27/11	11-1230	Solid/Bulk	Wood	1		X	X	X	metals only
092711-5	9/27/11	1030-11	Solid/Bulk	Wood	1		X	X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Special Instructions/QC Requirements & Comments: Contact Butch Reynolds @ 707-652-4543 Mobile; E-mail: butchreynolds@w-and-k.com; Please prepare each composite sample and analyze each per RCRA TCLP for metals and/or semi-volatiles as indicated above. Call with questions.

Relinquished by: L. S. Reynolds  
Date/Time: 9/29/11  
Company: Winzler & Kelly

Received by: John Walker  
Date/Time: 9-30-11 940  
Company: TestAmerica

Relinquished by: [Signature]  
Date/Time: 217e  
Company: [Signature]

## Login Sample Receipt Checklist

Client: Winzler & Kelly Consulting Engineers

Job Number: 720-37773-1

**Login Number: 37773**

**List Source: TestAmerica San Francisco**

**List Number: 1**

**Creator: Mullen, Joan**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

