

## Detterman, Mark, Env. Health

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**From:** Dwight Hoenig [dwright@turnermaclane.com]  
**Sent:** Tuesday, September 20, 2016 9:28 AM  
**To:** Detterman, Mark, Env. Health; Paul Meuser  
**Subject:** Confirmation sample results...  
**Attachments:** Final Confirmation Sample at 36-42 inches.pdf

Mark:

Attached are the lab results of the last confirmation sample which I collected last week. While auguring through the new backfil material I encountered a good color and texture change where I crossed into the native silt/loam at the target depth of 36 inches. As you can see...the sample results at this horizon passed easily. Today's Question: How do you need this reported? E-mail? Simple letter? Report amendment??

Let me know...  
Best Regards,  
Dwight

--  
Dwight Hoenig  
Turner/Maclane Inc.  
3511 La Mesa Drive  
Hayward, California, 94542  
510.881.8811  
FAX: 510.314.0108

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

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

TestAmerica Job ID: 720-74494-1  
Client Project/Site: Meuser

For:  
Turner Maclane Inc.  
63 Via Pico Plaza  
#227  
San Clemente, California 92672

Attn: Dwight Hoenig



Authorized for release by:  
9/20/2016 9:01:57 AM

Cherie Cuellar, Project Management Assistant I  
(925)484-1919  
[cherie.cuellar@testamericainc.com](mailto:cherie.cuellar@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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

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

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# Definitions/Glossary

Client: Turner Maclane Inc.  
Project/Site: Meuser

TestAmerica Job ID: 720-74494-1

## Glossary

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

# Case Narrative

Client: Turner Maclane Inc.  
Project/Site: Meuser

TestAmerica Job ID: 720-74494-1

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**Job ID: 720-74494-1**

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**Laboratory: TestAmerica Pleasanton**

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**Narrative**

**Job Narrative**  
**720-74494-1**

**Comments**

No additional comments.

**Receipt**

The sample was received on 9/16/2016 12:55 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 26.6° C.

**Metals**

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

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# Detection Summary

Client: Turner Maclane Inc.  
Project/Site: Meuser

TestAmerica Job ID: 720-74494-1

**Client Sample ID: 36-42**

**Lab Sample ID: 720-74494-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.022		0.0094		mg/Kg	1		7471A	Total/NA

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This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

# Client Sample Results

Client: Turner Maclane Inc.  
Project/Site: Meuser

TestAmerica Job ID: 720-74494-1

## Method: 7471A - Mercury (CVAA)

Client Sample ID: 36-42  
Date Collected: 09/16/16 10:13  
Date Received: 09/16/16 12:55

Lab Sample ID: 720-74494-1  
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.0094		mg/Kg		09/16/16 15:43	09/19/16 14:21	1

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# QC Sample Results

Client: Turner Maclane Inc.  
Project/Site: Meuser

TestAmerica Job ID: 720-74494-1

## Method: 7471A - Mercury (CVAA)

**Lab Sample ID: MB 720-209436/1-A**  
**Matrix: Solid**  
**Analysis Batch: 209551**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 209436**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		09/16/16 15:43	09/19/16 14:09	1

**Lab Sample ID: LCS 720-209436/2-A**  
**Matrix: Solid**  
**Analysis Batch: 209551**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 209436**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.833	0.833		mg/Kg		100	80 - 120

**Lab Sample ID: 720-74494-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 209551**

**Client Sample ID: 36-42**  
**Prep Type: Total/NA**  
**Prep Batch: 209436**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.022		0.735	0.757		mg/Kg		100	75 - 125

**Lab Sample ID: 720-74494-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 209551**

**Client Sample ID: 36-42**  
**Prep Type: Total/NA**  
**Prep Batch: 209436**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.022		0.725	0.754		mg/Kg		101	75 - 125	0	20



# QC Association Summary

Client: Turner Maclane Inc.  
Project/Site: Meuser

TestAmerica Job ID: 720-74494-1

## Metals

### Prep Batch: 209436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-74494-1	36-42	Total/NA	Solid	7471A	
MB 720-209436/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 720-209436/2-A	Lab Control Sample	Total/NA	Solid	7471A	
720-74494-1 MS	36-42	Total/NA	Solid	7471A	
720-74494-1 MSD	36-42	Total/NA	Solid	7471A	

### Analysis Batch: 209551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-74494-1	36-42	Total/NA	Solid	7471A	209436
MB 720-209436/1-A	Method Blank	Total/NA	Solid	7471A	209436
LCS 720-209436/2-A	Lab Control Sample	Total/NA	Solid	7471A	209436
720-74494-1 MS	36-42	Total/NA	Solid	7471A	209436
720-74494-1 MSD	36-42	Total/NA	Solid	7471A	209436

# Lab Chronicle

Client: Turner Maclane Inc.  
Project/Site: Meuser

TestAmerica Job ID: 720-74494-1

**Client Sample ID: 36-42**  
**Date Collected: 09/16/16 10:13**  
**Date Received: 09/16/16 12:55**

**Lab Sample ID: 720-74494-1**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			209436	09/16/16 15:43	OBI	TAL PLS
Total/NA	Analysis	7471A		1	209551	09/19/16 14:21	OBI	TAL PLS

#### Laboratory References:

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

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# Certification Summary

Client: Turner Maclane Inc.  
Project/Site: Meuser

TestAmerica Job ID: 720-74494-1

## Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-18

  

Analysis Method	Prep Method	Matrix	Analyte
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# Method Summary

Client: Turner Maclane Inc.  
Project/Site: Meuser

TestAmerica Job ID: 720-74494-1

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Method	Method Description	Protocol	Laboratory
7471A	Mercury (CVAA)	SW846	TAL PLS

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**Protocol References:**

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

**Laboratory References:**

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

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# Sample Summary

Client: Turner Maclane Inc.  
Project/Site: Meuser

TestAmerica Job ID: 720-74494-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-74494-1	36-42	Solid	09/16/16 10:13	09/16/16 12:55

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# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA Pleasanton Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756

Phone: (925) 484-1940

720-744999

Reference #:

170997

Date 9/16

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9/20/2016

Report To

Analysis Request

Attn: D. Henry  
 Company: Turner Machine  
 Address: 3571 Le Meade Dr. Hayward  
 Email: Dushite@turnermachine.com  
 Bill To: Same  
 Sampled By: D. Henry  
 Attn: Same  
 Phone:

Sample ID	Date	Time	Mat	Preserv
36-42	9/16	10:13	S	-

- Volatile Organics GC/MS (VOCs)
  - EPA 8260B
- HVOCs by  EPA 8260B
- EPA 8260B:  Gas  BTEX
  - 5 Oxygenates  DCA, EDB  Ethanol
- TEPH EPA 8015B  Silica Gel
  - Diesel  Motor Oil  Other
- SemiVolatile Organics GC/MS
  - EPA 8270C
- PNA/PAH's by  8270C
  - 8270C SIM
- Oil and Grease  Petroleum (EPA 1664/9071)
  - Total
- Pesticides  EPA 8081
  - PCBs  EPA 8082
- CAM17 Metals (EPA 6010/7470/7471)
  - Metals:  6010B  200.7
  - Lead  LUFT  RCRA  Other:
- Metals:  6020  200.8 (ICP-MS):
  - W.E.T (STLC)
  - W.E.T (DI)  TCLP
- Hex. Chrom by  EPA 7196
  - or EPA 7199
- pH  9040
  - SM4500
- Spec. Cond.  Alkalinity
  - TSS  SS  TDS
- Anions:  Cl  SO<sub>4</sub>  NO<sub>3</sub>  F
  - Br  NO<sub>2</sub>  PO<sub>4</sub>
- Perchlorate by EPA 314.0
- COD  EPA 410.4  SM5220D
- Turbidity

Total Hg

Project Info

Project Name/ #	# of Containers
Mesa	1

Sample Receipt

Head Space: 1  
 Temp: 26.6°C

Credit Card Y/N: If yes, please call with payment information ASAP

T	A	10	5	4	3	2	1	Other
		Day	Day	Day	Day	Day	Day	

Report:  Routine  Level 3  Level 4  EDD  EDF  
 Special Instructions / Comments:  Global ID

See Terms and Conditions on reverse

PLUST



720-744999 Chain of Custody

1) Relinquished by:		2) Relinquished by:		3) Received by:	
Signature: Dushite	Time: 9/16/16	Signature:	Time:	Signature:	Time:
Printed Name: Dushite	Date: 9/16/16	Printed Name:	Date:	Printed Name:	Date:
Company: Turner Machine		Company:		Company:	

# Login Sample Receipt Checklist

Client: Turner Maclane Inc.

Job Number: 720-74494-1

**Login Number: 74494**

**List Source: TestAmerica Pleasanton**

**List Number: 1**

**Creator: Mullen, Joan**

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