

**RECEIVED**

By Alameda County Environmental Health 9:47 am, Nov 15, 2016

November 8, 2016

Mark Detterman  
Senior Hazardous Materials Specialist, PG, CEG  
Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502

**RE: 1315 Court Street, Alameda CA**

Dear Mr. Detterman:

I do hereby declare under penalty of perjury under the laws of the State of California, that I am authorized to attest to the veracity of the information contained in the report described herein, and to the best of my knowledge the information, conclusions and recommendations presented in this attached report are true and correct. If you have any questions or comments regarding this report, please do not hesitate to contact Dwight Hoenig of Turner/Maclane Inc. at 510-881-8811.

Sincerely,



Paul D. Meuser

October 28, 2016

Mark Detterman  
Alameda County Department of Environmental Health  
1131 Harbor Bay Parkway,  
Alameda Ca. 94502

Subject: Post Remediation Confirmation Sample; 1315 Court St. Alameda California

Dear Mark:

Attached to this letter is a copy of the certified analytical results for the confirmation sample you requested following your review of the February 22, 2016, Removal Action Completion Report for the subject site.

**Background:**

In December of 2015, Turner/Maclane Environmental Consultants implemented a removal action to address a release of elemental mercury which had migrated on to the subject property from an adjacent parcel. The removal action included demolition and removal of a section of concrete wall, the underlying footings, and excavation and removal of impacted native soil to a depth of approximately 30 inches beneath the original ground surface. Confirmation samples collected at the completion of the removal action documented the removal of soil above the prescribed health based standards.

Subsequent review of the case file for this property identified the results of a pre-removal investigation soil sample which was collected on June 3rd, 2015. That sample, was obtained from a depth of approximately 36-42" at the location of the original mercury release. Because this sample was reported at a concentration of 22 mg/kg, it suggested the potential for the continued presence of residual mercury, above the clean-up criteria. Accordingly the Alameda County Department of Environmental Health requested that a confirmation soil sample be collected from this same location and depth to confirm the effectiveness of the removal action.

**Sample Results:**

Turner/Maclane revisited the site on September 16, 2016 to collect the requested sample. Using a clean stainless steel soil auger, a single boring was drilled at the location of the original 36-42" sample. The depth of the soil boring was carefully marked and measured to assure sample collection from the specified depth.

*Dwight Hoenig, President*

It was noted at the time of the confirmation sampling, that the original removal excavation has been backfilled with organic rich topsoil, suitable for supporting typical landscape plantings. Because of this, the contact between the original native soil (sandy silt) and imported backfill material (organic-rich loam) was readily apparent. The collection of the confirmation sample was from the first observed contact with the native soil at a depth of 36-42" below ground surface.

The confirmation sample was delivered under chain of custody to the Test America Analytical Laboratory in Pleasanton California. The analysis of that sample (attached) indicates a total mercury concentration of 0.022 mg/Kg. which is well below health based standards for mercury in residential environments.

As to the original sample at this location, it is our belief that the concentrations reported in the first sample at this depth was likely impacted by the sloughing or 'drag down' of contaminated soil from above, impacting soil samples collected at this lower depth.

For your convenience, the results of this analysis have been added to the attached site data figure and are posted in the incorporated data table.

We trust that the submission of this data will satisfy any concerns you may have regarding this matter. My client and I look forward to receiving the final closure letter for this site.

Thank you again for the time and assistance you have provided in bringing this matter to final conclusion.

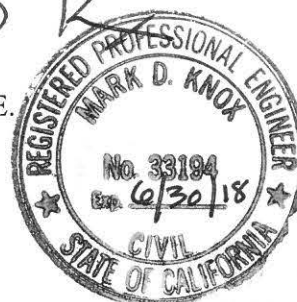
Sincerely,



Dwight Hoenig  
President, Turner/Maclane Inc.



Mark Knox P.E.



Amended Figure #2

2908 JACKSON STREET

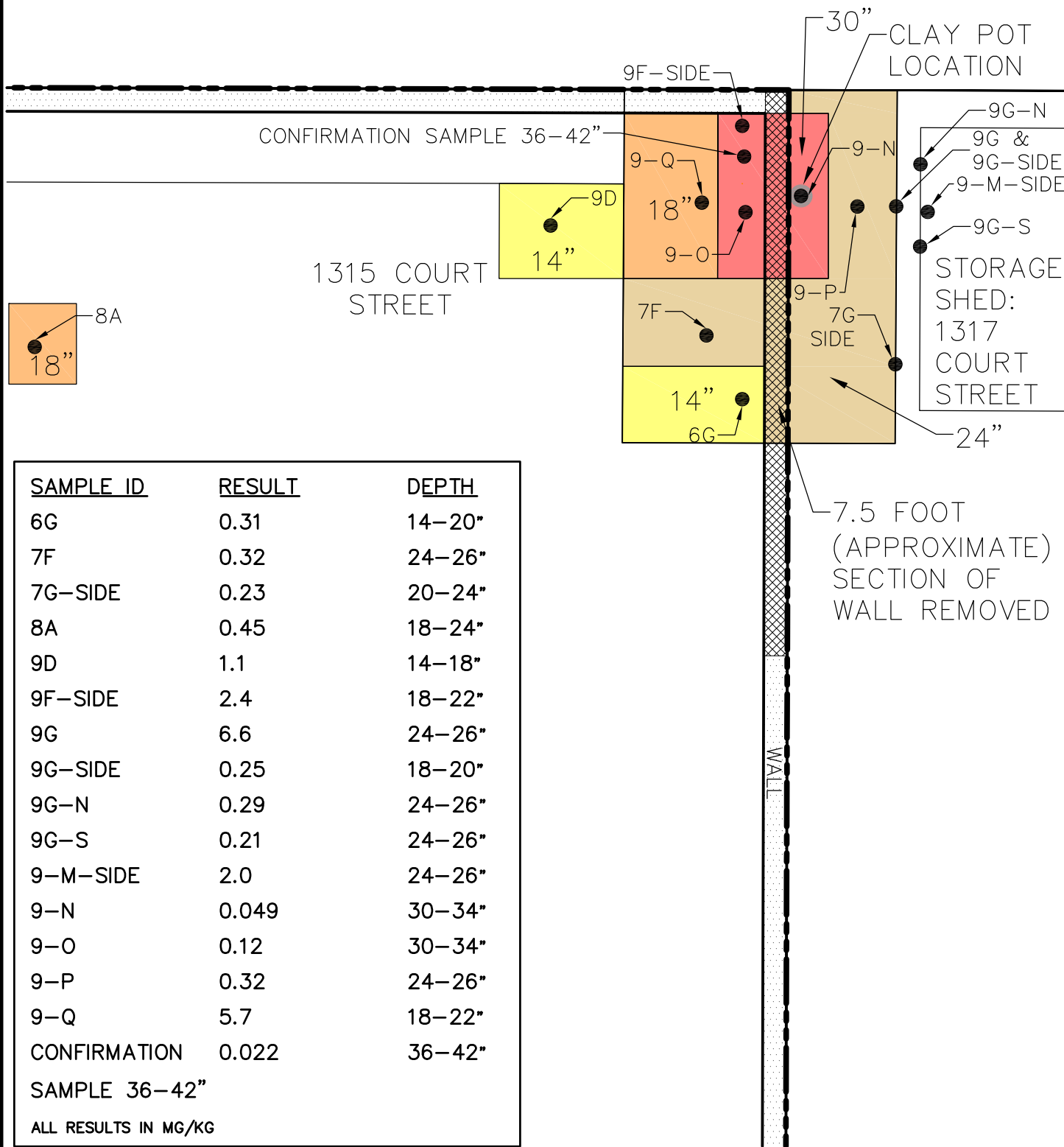
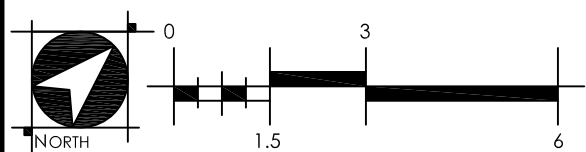


FIGURE #2

1315 & 1317 COURT STREET,  
ALAMEDA CA

WALL REMOVAL AND SOIL EXCAVATION



Certified Analysis

# 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 Page 1 of 1

9/20/2016

### Report To

### Analysis Request

Attn: D. Henning  
Company: Turner Machine  
Address: 5571 Levee Dr. Hayward  
Email: Doug@TurnerMachine.com  
Bill To: Same  
Sampled By: D. Henning  
Phone: \_\_\_\_\_

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

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


Project Info				Sample Receipt			
Project Name/ #: _____				# of Containers: <u>1</u>			
PO#: _____				Head Space: _____			
Credit Card Y/N: _____				Temp: <u>26.6°C</u>			
If yes, please call with payment information ASAP							
T	10	15	4	3	2	1	Other:
A	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

1) Relinquished by: Signature: <u>Doug Henning</u> Printed Name: <u>Doug Henning</u> Date: <u>9/16/16</u>		2) Relinquished by: Signature: _____ Printed Name: _____ Date: _____	
Signature: <u>Turner Machine</u> Printed Name: <u>Turner Machine</u> Date: _____		Signature: _____ Printed Name: _____ Date: _____	
Signature: <u>Turner Machine</u> Printed Name: <u>Turner Machine</u> Date: _____		Signature: _____ Printed Name: _____ Date: _____	

**RUSS**

720-744999 Chain of Custody



Total Hg

# 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 < /= 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 < 6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	