

Detterman, Mark, Env. Health

From: Detterman, Mark, Env. Health
Sent: Thursday, December 10, 2015 9:53 AM
To: 'Dwight Hoenig'
Cc: Paul Meuser; Kendra Meuser
Subject: RE: Mercury Sample Results: 1315 Court Street, Alameda.

Hi Dwight,

If there is a way to get additional lateral samples from sample 9-G I would encourage the collection of them (deeper into sidewall and laterally along sidewall). 6.6 mg/kg is awful close to the 6.7 mg/kg goal for a residential site. I suspect our supervisor, who will provide the final closure signature at this end, would feel more comfortable with signing off on a residential closure with a bit more definition of soil in that area; I know I will (mine is the first signature, her's is the second and final signature). With luck they will also be below the residential goal, but if not, it would be good to remove any additional contamination. Otherwise, the data is pretty encouraging!

Let me know if you have any questions or thoughts.

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PDF copies of case files can be downloaded at:

<http://www.acgov.org/aceh/lop/ust.htm>

From: Dwight Hoenig [<mailto:dwight@turnermaclane.com>]
Sent: Wednesday, December 09, 2015 10:05 AM
To: Detterman, Mark, Env. Health
Cc: Paul Meuser; Kendra Meuser
Subject: Mercury Sample Results: 1315 Court Street, Alameda.

Good morning Mark!

I just received the analytical data from the 8 confirmation samples we collected at the end of our soil removal action at the Meuser residence. (IN total I collected 3 sidewall samples and 5 bottom hole samples and also included 1 sample from the sediment trap located in the Mercury Vacuum we used during the removal action. Please see the attached Certified Analytical Report.)

I am in the process of drafting a Removal Action Completion Report but wanted to share this data with you now so that you could review it. As you will see....**all of the confirmation samples reported values below the action level of 6.7 Mg/Kg**...although one side wall sample from the neighboring property was just below this level. (Also...you will see the sample from the Mercury Vacuum seems to indicate there actually was residual mercury in the area!!) Obviously this is I believe the best news we could get!!

The final report will provide all documentation of the removal action as well as a detailed map of the excavation site and the location of the samples. The excavation area is still open... and I know my client is

interested in backfilling as soon as possible. (we did not want to backfill prior to receiving the confirmation data!)

I am a bit jammed up right now on some other projects... but I hope to get you a final report by next week. My purpose in providing this data to you today, is to see if we could review the data with you to obtain your concurrence with obtaining and placing clean fill to get the hole closed up as soon as possible? (although I don'tBest think there is any way to prevent the development of a mud hole given tomorrows rain forecast!?)

Please let me know your thoughts or any questions you have at this point.

Thanks so much for your support throughout this effort.

Regards, Dwight

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Dwight Hoenig
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**Laboratory Job Number 272055
ANALYTICAL REPORT**

Turner Maclane Inc.
3511 La Mesa Drive
Hayward, CA 94542

Project : STANDARD
Location : P. Measer
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
7-G-SIDE	272055-001
9-G-SIDE	272055-002
9-F-SIDE	272055-003
6-G	272055-004
9-D	272055-005
8-A	272055-006
7-F	272055-007
9-G	272055-008
VACUUM #1	272055-009

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____

Mike Dahlquist
Project Manager
mike.dahlquist@ctberk.com

Date: 12/08/2015

CA ELAP# 2896, NELAP# 4044-001

CASE NARRATIVE

Laboratory number: 272055
Client: Turner Maclane Inc.
Location: P. Measer
Request Date: 12/01/15
Samples Received: 12/01/15

This data package contains sample and QC results for nine soil samples, requested for the above referenced project on 12/01/15. The samples were received cold and intact.

Metals (EPA 7471A):

No analytical problems were encountered.

COOLER RECEIPT CHECKLIST



Login # 272055 Date Received 12/1/15 Number of coolers 0
 Client P. Measer Project P. Measer

Date Opened 12/1 By (print) CJN (sign) [Signature]
 Date Logged in ↓ By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc) _____ YES NO

Shipping info _____

2A. Were custody seals present? YES (circle) on cooler on samples NO
 How many _____ Name _____ Date _____

2B. Were custody seals intact upon arrival? _____ YES NO N/A

3. Were custody papers dry and intact when received? YES NO

4. Were custody papers filled out properly (ink, signed, etc)? YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO

6. Indicate the packing in cooler: (if other, describe) _____

- Bubble Wrap Foam blocks Bags None
- Cloth material Cardboard Styrofoam Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: Wet Blue/Gel None Temp(°C) _____

Temperature blank(s) included? Thermometer# _____ IR Gun# _____

Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES NO

If YES, what time were they transferred to freezer? _____

9. Did all bottles arrive unbroken/unopened? YES NO

10. Are there any missing / extra samples? _____ YES NO

11. Are samples in the appropriate containers for indicated tests? YES NO

12. Are sample labels present, in good condition and complete? YES NO

13. Do the sample labels agree with custody papers? YES NO

14. Was sufficient amount of sample sent for tests requested? YES NO

15. Are the samples appropriately preserved? _____ YES NO N/A

16. Did you check preservatives for all bottles for each sample? _____ YES NO N/A

17. Did you document your preservative check? (pH strip lot# _____) YES NO N/A

18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO N/A

19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO N/A

20. Are bubbles > 6mm absent in VOA samples? _____ YES NO N/A

21. Was the client contacted concerning this sample delivery? _____ YES NO

If YES, Who was called? _____ By _____ Date: _____

COMMENTS

Detections Summary for 272055

Results for any subcontracted analyses are not included in this summary.

 Client : Turner Maclane Inc.
 Project : STANDARD
 Location : P. Measer

Client Sample ID : 7-G-SIDE Laboratory Sample ID : 272055-001

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Mercury	0.23		0.017	mg/Kg	As Recd	1.000	EPA 7471A	METHOD

Client Sample ID : 9-G-SIDE Laboratory Sample ID : 272055-002

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Mercury	0.25		0.016	mg/Kg	As Recd	1.000	EPA 7471A	METHOD

Client Sample ID : 9-F-SIDE Laboratory Sample ID : 272055-003

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Mercury	2.4		0.18	mg/Kg	As Recd	10.00	EPA 7471A	METHOD

Client Sample ID : 6-G Laboratory Sample ID : 272055-004

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Mercury	0.31		0.016	mg/Kg	As Recd	1.000	EPA 7471A	METHOD

Client Sample ID : 9-D Laboratory Sample ID : 272055-005

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Mercury	1.1		0.18	mg/Kg	As Recd	10.00	EPA 7471A	METHOD

Client Sample ID : 8-A Laboratory Sample ID : 272055-006

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Mercury	0.45		0.018	mg/Kg	As Recd	1.000	EPA 7471A	METHOD

Client Sample ID : 7-F Laboratory Sample ID : 272055-007

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Mercury	0.32		0.015	mg/Kg	As Recd	1.000	EPA 7471A	METHOD

Client Sample ID : 9-G

Laboratory Sample ID :

272055-008

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Mercury	6.6		0.16	mg/Kg	As Recd	10.00	EPA 7471A	METHOD

Client Sample ID : VACUUM #1

Laboratory Sample ID :

272055-009

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Mercury	1,600		160	mg/Kg	As Recd	10000	EPA 7471A	METHOD

Mercury by Cold Vapor AA			
Lab #:	272055	Location:	P. Measer
Client:	Turner Maclane Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7471A
Analyte:	Mercury	Batch#:	229992
Matrix:	Soil	Sampled:	12/01/15
Units:	mg/Kg	Received:	12/01/15
Basis:	as received	Prepared:	12/02/15

Field ID	Type	Lab ID	Result	RL	Diln Fac	Analyzed
7-G-SIDE	SAMPLE	272055-001	0.23	0.017	1.000	12/02/15
9-G-SIDE	SAMPLE	272055-002	0.25	0.016	1.000	12/02/15
9-F-SIDE	SAMPLE	272055-003	2.4	0.18	10.00	12/02/15
6-G	SAMPLE	272055-004	0.31	0.016	1.000	12/02/15
9-D	SAMPLE	272055-005	1.1	0.18	10.00	12/02/15
8-A	SAMPLE	272055-006	0.45	0.018	1.000	12/03/15
7-F	SAMPLE	272055-007	0.32	0.015	1.000	12/03/15
9-G	SAMPLE	272055-008	6.6	0.16	10.00	12/03/15
VACUUM #1	SAMPLE	272055-009	1,600	160	10,000	12/03/15
	BLANK	QC815071	ND	0.017	1.000	12/02/15

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Mercury by Cold Vapor AA			
Lab #:	272055	Location:	P. Measer
Client:	Turner Maclane Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	229992
MSS Lab ID:	271977-001	Sampled:	11/25/15
Matrix:	Soil	Received:	11/25/15
Units:	mg/Kg	Prepared:	12/02/15
Basis:	as received	Analyzed:	12/02/15

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC815072		0.2083	0.2213	106	80-120		
BSD	QC815073		0.2083	0.2286	110	80-120	3	20
MS	QC815074	0.06972	0.2155	0.3178	115	69-142		
MSD	QC815075		0.2083	0.3154	118	69-142	2	36

RPD= Relative Percent Difference