



## BALLENA ISLE MARINA

Ballena Bay Yacht Harbor  
1150 Ballena Boulevard, Suite 111  
Alameda, California 94501-3682  
(510) 523-5528  
Fax: (510) 865-2257

April 10, 1996

Juliet Shin  
Hazardous Materials Specialist  
Alameda County Health Care Services Agency  
Department of Environmental Health  
Hazardous Materials Division  
80 Swan Way, Room 200  
Oakland, Ca. 94621

Dear Juliet:

With reference to the two (2) 12,000 gallon fuel tanks installed in 1989 at Ballena Isle Marina and the small amount of contaminated soil (55 gallons) caused by a broken fuel line at the time of the earthquake. The material was sealed in a 55 gallon drum and removed to a proper site as required by the department.

5/1/96

*Did backfill soil + capped  
it. Placed at 2' bgs.*

Sincerely,

Don R. Anderson  
Harbormaster

*Jack Bolandini  
will take  
Don's place.*

cc: Dariush Dastmalchi  
Clayton Environmental  
P. O. Box 9010  
Pleasanton, Ca. 94566

ENVIRONMENTAL  
PROTECTION

96 APR 16 PM 1:23

San Francisco Regional Office

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

FACSIMILE COVER SHEET

Time: \_\_\_\_\_

To: Mr. Juliet Shim

From: Danish Dantelaki

Date: 4/3/96

Fax Number: 337-9335  
519-4757

Number of Pages (including cover sheet): 2

Please confirm receipt:  Yes  No

If you do not receive the number of pages specified, please call (510) 426-2600 for assistance.

COMMENTS

Dear Juliet:

The following is the analytical report for the Soil Sample collected  
from the Soil Stockpile at the Ballena Isle Marina.

Please let me know if we can use this soil to  
back-fill the Excavation pit. I can be reached  
at 510 426-2609.

*~ 2 yards  
from 750  
waste with US*

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**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

March 19, 1996

Mr. Dariush Dastmalchi  
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.  
1252 Quarry Lane  
Pleasanton, CA 94566

Client Ref.: 57787.00  
Clayton Project No.: 96030.68

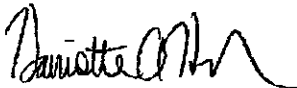
Dear Mr. Dastmalchi:

Attached is our analytical laboratory report for the samples received on March 5, 1996. Following the cover letter is the Quality Control Narrative detailing sample information/problems and a summary of the quality control issues. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after April 18, 1996, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Suzanne Haus, Client Services Supervisor, at (510) 426-2657.

Sincerely,



Harriotte A. Hurley, CIH  
Director, Laboratory Services  
San Francisco Regional Office

HAH/tjb

Attachments

QUALITY CONTROL NARRATIVE  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 57787.00  
Clayton Project No. 96030.68

**Sample Information/Problems:**

There were no problems with sample receipt.

**Analytical Problems:**

No problems were encountered with the sample analyses.

**Quality Control:**

The quality control data is summarized in the Quality Assurance Data Package, which follows the analytical report.

- MS/MSD: A matrix spike and matrix spike duplicate were analyzed where applicable. Spikes for EPA Methods 8015 Modified and 8015/8020 showed results outside quality control limits. The LCSs for both of these methods showed all results within quality control limits.
- LCS: A laboratory control spike was analyzed where applicable, and all results were acceptable.
- ICV/CCV: Response for all analytes met Clayton acceptance criteria.
- Surrogate Recoveries: All surrogate recoveries were acceptable. The surrogate recoveries, where applicable, are listed on the sample result pages.

Analytical Results  
 for  
 Clayton Environmental Consultants, Inc.  
 Client Reference: 57787.00  
 Clayton Project No. 96030.68

Sample Identification: S-1	Date Sampled: 03/05/96
Lab Number: 9603068-01A	Date Received: 03/05/96
Sample Matrix/Media: SOIL	Date Prepared: 03/08/96
Preparation Method: EPA 5030	Date Analyzed: 03/08/96
Method Reference: EPA 8020	Analyst: DTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>BTEX</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	88	50 - 150

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
 for  
 Clayton Environmental Consultants, Inc.  
 Client Reference: 57787.00  
 Clayton Project No. 96030.68

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9603068-02A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	03/08/96
Preparation Method:	EPA 5030	Date Analyzed:	03/08/96
Method Reference:	EPA 8020	Analyst:	DTL

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
<u>BTEX</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	94	50 - 150

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Analytical Results  
 for  
 Clayton Environmental Consultants, Inc.  
 Client Reference: 57787.00  
 Clayton Project No. 96030.68

Sample Identification: S-1  
 Lab Number: 9603068-01  
 Sample Matrix/Media: SOIL

Date Sampled: 03/05/96  
 Date Received: 03/05/96

Analyte	Concentration	Method		Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit						
Cadmium	<0.4	0.4		mg/kg	03/13/96	03/13/96	EPA 3050A	EPA 6010A
Chromium	18	1		mg/kg	03/13/96	03/13/96	EPA 3050A	EPA 6010A
Lead	9	1		mg/kg	03/13/96	03/13/96	EPA 3050A	EPA 6010A
Nickel	16	1		mg/kg	03/13/96	03/13/96	EPA 3050A	EPA 6010A
TPH-D	1300 a	1		mg/kg	03/15/96	03/15/96	EPA 3550	EPA 8015*
Zinc	25	1		mg/kg	03/13/96	03/13/96	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

TPH-D = Extractable petroleum hydrocarbons from C10 to C42 quantitated as diesel.

\* = Modified

a Sample does not match the typical diesel pattern.

Sample appears to be oil.



Analytical Results  
 for  
 Clayton Environmental Consultants, Inc.  
 Client Reference: 57787.00  
 Clayton Project No. 96030.68

Sample Identification: METHOD BLANK  
 Lab Number: 9603058-02  
 Sample Matrix/Media: SOIL

Date Sampled: --  
 Date Received: --

Analyte	Concentration	Method		Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit						
Cadmium	<0.4	0.4		mg/kg	03/13/96	03/13/96	EPA 3050A	EPA 6010A
Chromium	<1	1		mg/kg	03/13/96	03/13/96	EPA 3050A	EPA 6010A
Lead	<1	1		mg/kg	03/13/96	03/13/96	EPA 3050A	EPA 6010A
Nickel	<1	1		mg/kg	03/13/96	03/13/96	EPA 3050A	EPA 6010A
TPH-D	ND	1		mg/kg	03/15/96	03/16/96	EPA 3550	EPA 8015*
Zinc	<1	1		mg/kg	03/13/96	03/13/96	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

TPH-D = Extractable petroleum hydrocarbons from C10 to C42 quantitated as diesel.