

Environmental Geosciences Engineering

200 Brown Road, Suite 210  
Fremont, California 94539  
(510) 770-5733 Telefax (510) 770-5752

September 21, 1992

Mr. Raymond Lorge  
Mr. Jim Lorge  
R & J Quick Clean Center  
2522 Castro Valley Boulevard  
Castro Valley, CA 94546

9/22/92  
#1035  
#9444

RE: Proposal for load out, transport and disposal of approximately 15 cubic yards of contaminated soil from 2522 Castro Valley Boulevard, Castro Valley, California, to a Class III landfill.

Dear Sirs:

Thank you for the opportunity to respond to your request for proposal concerning the contaminated soil from the previous excavation from the above referenced site. This document is intended to respond to requirements for such work set forth by the Alameda County Health Care Services (ACHCS) and the San Francisco Bay Region Water Quality Control Board (RWQCB).

The excavated soil was sampled on August 21, 1992 by EGE's geologist.

The stockpiled soil was sampled at random points by removing the upper six inches of material from the stockpile and driving a clean brass sampling tube (1.9 inches in diameter by 6.0 inches in length) into the soil until it was completely filled. The tube was then withdrawn and its ends promptly covered with aluminum foil and fitted with plastic caps. The tube was then labeled and placed on ice for transportation to a State certified hazardous waste analytical laboratory under chain of custody for analyses for Toxicity Characteristic Leaching Procedure/Benzene, Toluene, Ethylbenzene and Toluene (TCLP/BTEX), for Soluble Threshold Limit Concentration/Lead (STLC/Pb) and for Reactivity, Corrosivity, Ignitability (RCI).

A total one (1) composite soil sample has been acquired (one per 20 cubic yards, as indicated in the RWQCB Guidelines).

All sampling equipment was steam cleaned or thoroughly scrubbed followed by a distilled water rinse prior to being brought on site and between all samplings.

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ENVIRONMENTAL  
PROTECTION

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The laboratory results are presented in Table I:

TABLE I

SAMPLE I.D.	TPHG	B	T	E	X	Pb
CS-1	ND	ND	ND	ND	ND	1.9

Values in ppm (parts per million).

ND...not detected

TPH-G...total petroleum hydrocarbons as gasoline

B...benzene

T...toluene

E...ethylbenzene

X...total xylenes

Pb...Lead

Reactivity was negative, corrosivity was 7.16 and ignitability was also negative.

Copies of laboratory results and chain of custody are attached.

The excavated soils containing lead were loaded out, transported and disposed to a Class III landfill. The soil disposal form is attached.

Should you have any questions, or if we may otherwise be of assistance, please call Valentin at (510) 770-5733.

Sincerely yours,

ENVIRONETICS GEO-ENGINEERING

*Valentin Constantinescu*

Valentin Constantinescu, M.Sc.  
Senior Environmental Geologist

*James P. Burgard*  
James P. Burgard, P.E.  
President

VC/JPB/nr

Attachment

# CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

August 28, 1992

ChromaLab File No.: 0892202

MCCAMPBELL ANALYTICAL

Attn: Ed Hamilton

RE: One STLC extract for Lead only

Date Sampled: Aug. 21, 1992

Date Submitted: Aug. 24, 1992

Date Extracted: Aug. 27, 1992

Date Analyzed: Aug. 27, 1992

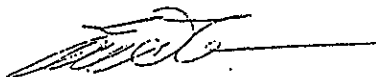
## RESULTS:

<u>Sample I.D.</u>	<u>Lead (mg/L)</u>
CS-1	1.9
BLANK	N.D.
SPIKED RECOVERY	100%
DUPLICATE SPIKED RECOVERY	101%
DETECTION LIMIT	0.5
METHOD OF ANALYSIS	7420

ChromaLab, Inc.



Jack Kelly  
Analytical Chemist



Eric Tam  
Laboratory Director





## QC REPORT

Date: 08/18-08/21/92

Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
TPH (gas)	0.000	1.955	1.979	2.03	96	98	1.2
Benzene	0.000	0.198	0.202	0.2	99	101	2.0
Toluene	0.000	0.200	0.202	0.2	100	101	1.0
Ethyl Benzene	0.000	0.200	0.202	0.2	100	101	1.0
Xylenes	0.000	0.600	0.610	0.6	100	102	1.7
TPH (diesel)	0	138	138	150	92	92	0.2
TRPH (oil & grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

ANALYSIS REQUEST

PROJ. MGR. VALENTIN CONSTANTINOU  
 COMPANY E.G.E.  
 ADDRESS 200 Brown Road, Suite 210  
 Fremont, California 94539  
 (510) 770-5733 Telefax (510) 770-5752

SAMPLER'S SIGNATURE Valentin Constantinou  
 PHONE NO.

SAMPLE I.D.	DATE	TIME	MATRIX	TPHG	TPHC & BTEX	TPHD	BTEX	O & G	METALS	PURCEANLE	HALOCARBONS	VOLATILE	ORGANIC	TOTAL LEAD	SOLUBLE LEAD	TCUP/BTEX	STCC/LEAD	RCI	NUMBER OF CONTAINERS
CS-1	8/21/92	8:45	SOIL / WATER													X	X	X	1
			SOIL / WATER																
			SOIL / WATER																
			SOIL / WATER																
			SOIL / WATER																
			SOIL / WATER																

No. 105988

TEST GOOD CONDITION HEAD SPACE ABSENT PRESERVATIVE APPROPRIATE CONTAINERS

PROJECT INFORMATION: RZ

LABORATORY INSTRUCTIONS/COMMENTS:  
 Turn Around Time (Circle One)  
 Same Day 24 Hrs 48 Hrs  
 72 Hrs Normal  
 NOT ON HOLD!  
 2-24 release

ANALYTICAL LABORATORY MCCAMPBELL  
 CITY RICHMOND

RELINQUISHED BY: Valentin Constantinou  
 Signature  
 VALENTIN CONSTANTINOU  
 Printed Name  
 E.G.E.  
 Company  
 Time 10:30 Date 8/21/92

RECEIVED BY: Robert Mason  
 Signature  
 ROBERT MASON  
 Printed Name  
 CCX COURIERS  
 Company  
 Time 10:30 Date 8-21-92

RELINQUISHED BY: Robert Mason  
 Signature  
 ROBERT MASON  
 Printed Name  
 CCX COURIERS  
 Company  
 Time 11:45 A Date 8-21-92

RECEIVED BY: S. Hamilton  
 Signature  
 HAMILTON  
 Printed Name  
 NAZ  
 Company  
 Time 11:45 A Date 8-21-92

RELINQUISHED BY:  
 Signature  
 Printed Name  
 Company  
 Time Date

RECEIVED BY:  
 Signature  
 Printed Name  
 Company  
 Time Date

