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

#1035, 444 #1035,

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 The tube was then withdrawn and its ends promptly covered with aluminum foil and fitted with plastic caps.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.

Mr. Raymond Lorge Mr. Jim Lorge R & J Quick Clean Center September 21, 1992 Page 2

The laboratory results are presented in Table I:

TABLE I

SAMPLE I.D.	TPHG	В	T	E	X	Pb
CS-1	ND	ND	ND	ND	ND	7.9

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 Eorstuntinesun

Valentin Constantinescu, M.Sc. Senior Environmental Geologist

James P. Burgard, P.E.

President

VC/JPB/nr

Attachment

5 DAYS TURNAROUND

CHROMALAB, INC.

Environmental Laboratory (1094)

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 Sampled: Aug. 21, 1992 Date Submitted: Aug. 24, 1992 Date Extracted: Aug. 27, 1992 Date Analyzed: Aug. 27, 1992

RESULTS:

Sample I.D. Lead (mg/L)

CS-1 1.9 N.D. BLANK SPIKED RECOVERY 100% DUPLICATE SPIKED RECOVERY 101% DETECTION LIMIT 0.5 7420 METHOD OF ANALYSIS

ChromaLab, Inc.

Jack Kelly

Analytical Chemist

Eric Tam

Laboratory Director

Environmental Geosciences 200 Brown Road, Suite 210			Client Project ID:	FR	Date Sampled: 08/21/92						
					Date Received: 08/21/92						
Fremont, CA	A 94539		Client Contact: V.	Constantinescu	Date Extracted: 08/21/92						
			Client P.O:		Date Analyz	zed: 08/21/92					
			CI (Reactivity, Corros	sivity & Ignitabil	lity)						
	Client ID	- 66261.23 Matrix	Reactivity [†]	Corrosivit	y (pH) Ignitability ^o						
Lab ID		 									
105988	CS-1	S	negative	7.16	·	negative					
					1						
		 		 							
	<u> </u>			1							
		<u> </u>									
			' '			•					
	· · · · · · · · · · · · · · · · · · ·	 									
	<u> </u>	 -				<u>,,,,,,,</u>					
-	<u> </u>	<u> </u>									
]										
]										
		1									
		 -									
	ļ										
		1 1									

110 2nd Avenue South, #D7, Pacheco, CA 94553 Tele: 510-798-1620 Fax: 510-798-1622

Environmental Geosciences		aces (Client Project	ID: RF		Date Samp	Date Sampled: 08/21/92								
200 Brown	Road, Suite 2	210				Date Rece	Date Received: 08/21/92								
Fremont, C	:A 94539		Client Contact	:: Valentin Co	nstantinescu	Date Extra	Date Extracted: 08/21/92								
			Client P.O:			Date Anal	yzed: 08/22/92	2							
EPA methods	5030, modified	Low I	Boiling Point (C6-C12) TPH* as Gasoline and BTEX* d 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)												
Lab ID	Client ID		TPH(G) +	Benzene	Toluene	Ethyl Ben- zene	Xylenes	% Rec. Surrogate							
105988	CS-1	TCLP	ND < 0.05	ND < 0.001	ND < 0.001	ND < 0.001	ND < 0.001	99							
	<u> </u>														
	ļ														
i			-												
							•								
															
Detection I	Limit unless stated; ND	W	50 ug/L	0.5	0.5	0.5	0.5								
means No	t Detected	S	1.0 mg/kg	0.005	0.005	0.005 .	0.005								

^{*}water samples are reported in ug/L, soil samples in mg/kg, and TCLP extracts in mg/L

^{*}cluttered chromatogram; sample peak co-clutes with surrogate peak

⁺The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) predominately unmodified or weakly modified gasoline; b) heavier gasoline range compounds predominate (aged gasoline?); c) lighter gasoline range compounds predominate (the most mobile gasoline compounds); d) heavy and light gasoline range compounds predominate (aged gasoline together with introduced light compounds?); e) gasoline range compounds predominate; no recognizable pattern; f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds predominate.

QC REPORT

Date: 08/18-08/21/92

Matrix: Soil

	Concent	ration	(mg/kg)		% Reco		
Analyte	Sample MS		MSD	Amount Spiked	MS	MSD	RPD
TPH (gas) Benzene	0.000	1.955	1.979	2.03	96 99	98	1.2
Toluene	0.000	0.200	0.202	0.2	100	101 101	2.0 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

% Rec. = (MS - Sample) / amount spiked x 100

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

Environmental Geosciences Engineering PARTICULAR DE LA CONTRACTOR DE LA CONTRA ANALYSIS REQUEST PROJ. MOR. VALENTIN CONSTANTINGO T PURGEABLE. T \mathbf{E} 0 COMPANY... M n P T OR 200 Brown Road, Suite 210 Р P 80 ADDRESS CHINA Framont California 94530 H \mathbf{r} H H (510) 770-5733 Teletas (510)770-5752 G SAMPLER'S SICHATURE 80 \mathbf{B} ı, T PHONE NO._ Ĕ, Γ Cd.Cr SAMPLE I.D. DATE TIME MATRIX Х SOIL . VLTER 3011. MITER No 105988 SOIL WATER Soit. HATER SOIL ACHE IO & CHEETE ROUSE **NATER** PRESERVATIVE GOOD-CONDITION-APPROPRIATE HEAD SPACE ABSENT PROJECT INFORMATION: Robert Mason RELINQUISHED BY: Sirpalure M ROBERT MASON

CCX COURTERS LABORATORY INSTRUCTIONS/COMMENTS: Printed Hames Turn Around Time (Cirole One) Same Day 24 Hrs - 48 Hrs Company TIM- 11:45 A Data 8:21-92 72 Hrs RECEIVED DY RECÉIVED BY: RECEIVED BY: Sizastur-HANKTON Printed Name Frieted Name OCX COURIERS LABORATORY MCCAMP Company

						CHROMALAB FILE # 892202 — ORDER # 7525												
						SILLING TO:									24 HR. 48 HR. 72			
PHONE: Z	2f-1620 FA	C: FUF-16	22		J		ک	an	ح						S DAY 10 DAY		15 DA	4
PROJECT HAHE/	511E: '						i RG				ė	ESTED						
SAHPLER:			DATE:		Cad Car			-				3,50					SAHPL	F
SAMPLE 1D#/	SAMPLE DESCRIPTION	HUHDER OF CONT.	TYPE	SAMPLING TIME/DATE	10/4/0					}. 					REHARKS		NUHBE	
CS-1.	STEL ENTRACE -SCIL	/		d-21-52	X									-	105-91	1		
											_			_				
	* This 12 a	2 m 572	- Li	Last so	•		3 LC		 !E):			125		~- ~-	with un com	-	· 	
	* This is a	Lique	/61.															
													-					
					-											- -		
RELINOUISHED BY DATE TIME:		TIME:	RECEIVED BY:							·		TRAVEL TIME:						
RELINOUISHED BY: DATE TIME:		RECEIVED BY: OTH					ON SITE TIME: OTHER: UERE SAMPLES: TES NO											
RELIHOUISHED B			DATE 6-25-5	TIME:	RECE	TAED	ו גון	AB B	1://	2	<u> </u>			PRES	ERVED ? DOD CONDITION?	100	, R	

(E.,_