

CITY OF OAKLAND



DALZIEL BUILDING • 250 FRANK H. OGAWA PLAZA, SUITE 5301 • OAKLAND, CALIFORNIA 94612-2034

Public Works Agency  
Environmental Services

FAX (510) 238-7286  
TDD (510) 238-7644

February 22, 2002

MAR 01 2002

**Mr. Barney Chan**  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway  
Alameda, California 94502-6577

**Subject: Documentation of the Removal of Stockpiled Soil  
2662 Fruitvale Avenue Oakland, California**

Dear Mr. Chan:

Enclosed is a copy of a letter report from our consultant, Uribe & Associates, documenting removal and disposal of the soil stockpile from 2662 Fruitvale Avenue in Oakland. This soil was excavated during the final phase of on-site remediation activities at the site. The final phase of off-site remediation will commence in May 2002 and will consist of hydrogen peroxide treatment of groundwater in wells MW-F4 and MW-13.

Please call me at 238-6259, if you have any questions or require additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Joseph A. Cotton". The signature is fluid and cursive, with a long horizontal stroke at the end.

Joseph A. Cotton, R.G., R.E.A.  
Environmental Program Specialist



**Uribe & Associates**

447 29th Street  
Suite Two Hundred  
Oakland, California 94609-3532  
☎ 510-832-2233 Fax 510-832-2237

E n g i n e e r i n g   a n d   E n v i r o n m e n t a l   S e r v i c e s

January 28, 2002

MAR 01 2002

Mr. Joseph Cotton  
City of Oakland  
Public Works Agency, Environmental Services Division  
250 Frank Ogawa Plaza, Suite 5301  
Oakland, CA 94612

**Subject:        Documentation of the Removal of Stockpiled Soil at 2662 Fruitvale Avenue  
                         in Oakland, California**

Dear Mr. Cotton:

This letter documents the work performed by Uribe & Associates (U&A) involving the removal of stockpiled soil at 2662 Fruitvale Avenue in Oakland, California. The removal included the loading, transporting, and disposal of approximately 30 cubic yards of hydrocarbon-contaminated soil from the site. The analytical results, site map, field notes, and receipts from the disposal facility are presented in Attachment A.

**Removal of Stockpiled Soil**

The U&A Project Geologist oversaw Morgan Environmental Services, Inc. of Oakland, California, during the field activities that occurred on 1/17/02. Morgan Environmental Services Inc. loaded the soil into a dump truck using a backhoe and transported the soil to the West Contra Costa Sanitary Landfill. Three loads of soil equal to approximately 30 cubic yards were delivered to the disposal facility. The first two loads were delivered on 1/17/02 and the final load was delivered the morning of 1/18/02. Based on the analytical results the soil was not classified as hazardous waste, thus there was no need to manifest the disposal process other than landfill receipts. The lot at 2662 Fruitvale Avenue has been cleared and secured. Please call me at (510) 832-2233 with any questions you may have regarding these activities.

Sincerely,

William F. White, R.G., R.E.A.  
Senior Hydrogeologist

Attachments




**ATTACHMENT A**

DEC-10-2001 16:33

CAMBRIA

510 420 9170 P.02/09

 <b>McCAMPBELL ANALYTICAL INC.</b>	110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 <a href="http://www.mccampbell.com">http://www.mccampbell.com</a> E-mail: <a href="mailto:main@mccampbell.com">main@mccampbell.com</a>
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Cambria Environmental Technology 1144 55 <sup>th</sup> Street, Suite C Oakland, CA 94608	Client Project ID: #153-1664; City of Oakland @ Fruitvale	Date Sampled: 11/28/01
	Client Contact: Bob Clark Riddell	Date Received: 11/29/01
	Client P.O:	Date Extracted: 11/29/01
	Date Analyzed: 11/29/01	

12/06/01

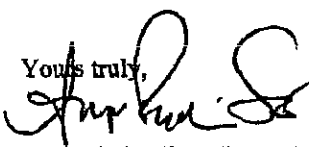
Hi Bob:


Enclosed are:

- 1. the results of 7 samples from your #153-1664; City of Oakland @ Fruitvale project,
- 2. a QC report for the above samples
- 3. a copy of the chain of custody, and
- 4. a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,  
  
 Edward Hamilton, Lab Director

 <b>McCAMPBELL ANALYTICAL INC.</b>	110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 <a href="http://www.mccampbell.com">http://www.mccampbell.com</a> E-mail: main@mccampbell.com
	(blank space)

Cambria Environmental Technology 114 105 <sup>th</sup> Street, Suite C Oakland, CA 94608	Client Project ID: #153-1664; City of Oakland @ Fruitvale	Date Sampled: 11/28/01
	Client Contact: Bob Clark Riddel	Date Received: 11/29/01
	Client P.O.:	Date Extracted: 11/29-11/30/01
	(blank space)	Date Analyzed: 11/29-11/30/01


**Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline\*, with Methyl tert-Butyl Ether\* & BTEX\***  
 EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g) <sup>†</sup>	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	% Recovery Surrogate
84-44	ST-1-6	S	33,b,j	---	ND	ND	0.032	0.062	---
84-44	SP-1-4	S	ND	---	ND	ND	ND	ND	103
84-44	TP-1 NW	S	ND	---	ND	ND	ND	ND	101
84-44	TP-2 SW	S	ND	---	ND	ND	ND	ND	103
84-44	TP-3 SE	S	ND	---	ND	ND	ND	ND	105
84-44	TP-4 NE	S	ND	---	ND	ND	ND	ND	102
84-50	TP-5 bottom	S	ND	---	ND	ND	ND	ND	97
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	5.0	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

\* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP and SPLP extracts in ug/L.

<sup>†</sup> eluted chromatogram; sample peak coelutes with surrogate peak

<sup>‡</sup> The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant (aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one or a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen present; i) liquid sample that contains greater than ~5 vol. % sediment; j) no recognizable pattern.

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Cambria Environmental Technology 114155th Street, Suite C Oakland, CA 94608	<b>Client Project ID: #153-1664; City of Oakland @ Fruitvale</b>	<b>Date Sampled: 11/28/01</b>
	<b>Client Contact: Bob Clark Riddel</b>	<b>Date Received: 11/29/01</b>
	<b>Client P.O.:</b>	<b>Date Extracted: 11/29/01</b>
		<b>Date Analyzed: 11/29/01</b>

**Kerosene Range (C9-C18) and Oil-Range (C18+) Extractable Hydrocarbons as Kerosene and Motor Oil\***  
 EPA methods modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(k) <sup>+</sup>	TPH(ma) <sup>+</sup>	% Recovery Surrogate
8-4-4	ST-1-6	S	28,e	5.3	100
8-4-5	SP-1-4	S	4.0,g	65	95
8-4-6	TP-1 NW	S	ND	ND	102
8-4-7	TP-2 SW	S	ND	ND	89
8-4-8	TP-3 SE	S	ND	ND	102
8-4-9	TP-4 NE	S	ND	ND	92
8-4-10	TP-5 bottom	S	ND	ND	92
		W	50 ug/L	250 ug/L	
		S	1.0 mg/kg	5.0 mg/kg	

\* Reporting Limit unless otherwise stated; ND means not detected above the reporting limit

\* Water samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP / SYLC / SPLP extracts in ug/L

\* Note: no chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

\* The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant; d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel (?); f) one or a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid samples that contains greater than -5 vol. % sediment.



McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560  
Telephone : 925-798-1620 Fax : 925-798-1622  
<http://www.mccampbell.com> E-mail: main@mccampbell.com

Cambria Environmental Technology 114 15 <sup>th</sup> Street, Suite C Oakland, CA 94608	Client Project ID: #153-1664; City of Oakland @ Fruitvale	Date Sampled: 11/28/01
	Client Contact: Bob Clark Riddell	Date Received: 11/29/01
	Client P.O:	Date Analyzed: 11/29/01
		Date Extracted: 11/29/01

**Lead\***

EPA analytical methods 6010/200.7, 239.2\*

Lab ID	Client ID	Matrix	Extraction <sup>o</sup>	Lead*	% Recovery Surrogate
8.4.4	ST-1-6	S	TTLC	9.4	N/A
8.4.5	SP-1-4	S	TTLC	15	N/A
8.4.6	TP-1 NW	S	TTLC	10	N/A
8.4.7	TP-2 SW	S	TTLC	7.3	N/A
8.4.8	TP-3 SE	S	TTLC	28	N/A
8.4.9	TP-4 NE	S	TTLC	8.0	N/A
8.4.10	TP-5 bottom	S	TTLC	7.4	N/A

Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	S	TTLC	10 mg/kg
	W	TTLC	0.005 mg/L
	---	STLC, TCLP	0.2 mg/L

\* Soils and sludge samples are reported in mg/kg, wipe samples in ug/wipe, and water samples and all STLC / SPLP / TCLP extracts in mg/L  
 \* Lead is analysed using EPA method 6010 (ICP) for soils, sludges, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples  
<sup>o</sup> Distilled water extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.  
<sup>a</sup> EPA extraction methods 1311(TCLP), 3010/3020(water,TTLC), 3040(orgnic matrices,TTLC), 3050(solids,TTLC); STLC - CA Title 22  
 \* surrogate diluted out of range; N/A means surrogate not applicable to this analysis  
 \* reporting limit raised due to matrix interference  
 i) If a sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations.

DEC-10-1201 16:34

CAMBRIA

510 420 9170

P.06/09



McCAMPBELL ANALYTICAL INC.

110 2nd Ave. South, #D7, Pacheco, CA 94553-5560

Telephone : 925-798-1620 Fax : 925-798-1622

<http://www.mcccampbell.com> E-mail: [main@mcccampbell.com](mailto:main@mcccampbell.com)

## QC REPORT

### EPA 8015m + 8020

Date: 11/29/01

Matrix: Soil

Compound	Concentration: mg/kg				%Recovery		RPD
	Sample	MS	MSD	Amount Spiked	MS	MSD	
SampleID: 112801      Extraction: EPA 5030      Instrument: GC-12							
Surrogate 1	ND	97.000	98.000	100.00	97	98	1.0
Xylenes	ND	0.316	0.326	0.30	105	109	3.1
Ethylbenzene	ND	0.104	0.108	0.10	104	108	3.8
Toluene	ND	0.100	0.103	0.10	100	103	3.0
Benzene	ND	0.097	0.100	0.10	97	100	3.0
MTBE	ND	0.085	0.086	0.10	85	86	1.2
TPI (gas)	ND	0.937	0.944	1.00	94	94	0.7
SampleID: 112801      Extraction: EPA 3550      Instrument: GC-6A							
Surrogate 1	ND	86.000	86.000	100.00	86	86	0.0
TPI (diesel)	ND	132.500	131.000	150.00	88	87	1.1

$$\% \text{ Recovery} = \frac{(MS - \text{Sample})}{\text{Amount Spiked}} \cdot 100$$

$$RPD = \frac{(MS - MSD)}{(MS + MSD)} \cdot 100$$

RPD means Relative Percent Deviation



DEC-10-01 16:35

CAMBRIA

510 420 9170

110 2nd Ave. South, #17, Pacheco, CA 94553-5560

Telephone : 925-798-1620 Fax : 925-798-1622

<http://www.mccampbell.com> E-mail: [main@mccampbell.com](mailto:main@mccampbell.com)



**McCAMPBELL ANALYTICAL INC.**

## QC REPORT

Date: 11/29/01

Extraction: TLC

Matrix: Soil

Compound	Concentration: mg/kg			%Recovery		RPD	
	Sample	MS	MSD	MS	MSD		
<u>SampleID:</u> 112801		<u>Instrument:</u> P-1   AA					
Lead	ND	4.9	4.9	5.00	98	97	1.4

$$\% \text{ Recovery} = \frac{(MS - \text{Sample})}{\text{Amount Spiked}} \cdot 100$$

$$RPD = \frac{(MS - MSD)}{(MS + MSD)} \cdot 2 \cdot 100$$

RPD means Relative Percent Deviation

28978 ZC538

**RUSH**

McCAMPBELL ANALYTICAL, INC.  
110 2<sup>ND</sup> AVENUE SOUTH, #101  
PACIFIC, CA 94551

CHAIN OF CUSTODY RECORD  
TURN AROUND TIME      
RUSH 24 HOUR 48 HOUR 5 DAY

Telephone: (925) 798-1520 Fax: (925) 798-1622

Report To: Ron Scheele, Rep. of City of Oakland, Fruitvale

Company: ComTech Environmental Technology

6262 Hollis Street 1144 65<sup>TH</sup> STREET, SUITE B  
Emeryville, CA 94608 OAKLAND, CA 94608

Tele: (510) 450-1987 420-3303 Fax: (510) 450-8395 420-9170

Project #: 153-1664 Project Name: City of Oakland Fruitvale

Project Location: 2662 FRUITVALE AVE, OAKLAND

Sampler Signature: *[Signature]*

SAMPLE ID	LOCATION	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED						
		Date	Time			Water	Soil	Air	Sludge	Other	Ice	HCl	HNO <sub>3</sub>	Other			
ST-1	TRENCH STOCKPILE	11/28/01	3pm	1	glass tube		X					X					
ST-2																	
ST-3																	
ST-4																	
ST-5																	
ST-6																	
COMPOSITE SAMPLES		ST-1 THROUGH															
SP-1	PIT STOCKPILE	11/28/01	5pm	1	glass tube		X					X					
SP-2																	
SP-3																	
SP-4																	
COMPOSITE SAMPLES		SP-1 THROUGH															

Analysis Request	Filter	Comments
BTX & TPH as Gas (602/620 / 8015) <i>WFOU</i>		
TPH as Diesel (8015)		
Total Petroleum Oil & Grease (5520 EG&F/806F)		
Total Petroleum Hydrocarbons (418, 1)		
EPA 601 / 8010		
RTEX ONLY (EPA 602 / 8020)		
EPA 606 / 8060		
EPA 608 / 8080 PCB'S ONLY		
EPA 624 / 8240 / 8260		
EPA 625 / 8270		
PAH's / PNA's by EPA 625 / 8270 RE10		
CAM-17 Metals		
LUFT 5 Metals		
Lead (7240/7421/239 2/6010)		
RCI		
TPH g/k/mo		

84444

84445

Relinquished By: <i>[Signature]</i>	Date: 11/28/01	Time: 6:30pm	Received By: <i>[Signature]</i>
Relinquished By: <i>[Signature]</i>	Date: 11/29/01	Time: 10:11	Received By: <i>[Signature]</i> #210
Relinquished By: <i>[Signature]</i>	Date: 11/29/01	Time: 1145	Received By: <i>[Signature]</i>

Remarks:

ICE/  GOOD CONDITION  PRESERVATION APPROPRIATE  HEAD SPACE ABSENT  CONTAINERS

VOAS O&G METALS OTHER

12/12/01 13:49 FAX 510 238 / 288  
DEC-10-01 16:35 CAMBRIA  
FRA ENVIRONMENTAL SERVICES  
510 420 9170  
P.08/09

McCAMPBELL ANALYTICAL INC.  
 116 2<sup>ND</sup> AVENUE SOUTH, #117  
 PACHICO, CA 94533  
 Telephone: (925) 109 1570 Fax: (925) 708 1232

CHAIN OF CUSTODY RECORD  
 TURN AROUND TIME

Report To: **FOR SCIENTIFIC USE CLARKE-KIDDEWILL ID: CAMBRIA**  
 Company: **Cambría Environmental Technology**  
**6262 Rollis Street 1144 65<sup>TH</sup> STREET, SUITE B**  
**Emeryville, CA 94608 OAKLAND, CA 94608**  
 Tel: (510) 450-1983 420-3303 Fax: (510) 450-8295 420-9170  
 Project #: **153-1664** Project Name: **CITY OF OAKLAND / FRUITVALE**  
 Project Location: **2662 FRUITVALE AVE., OAKLAND**  
 Sampler Signature: *[Signature]*

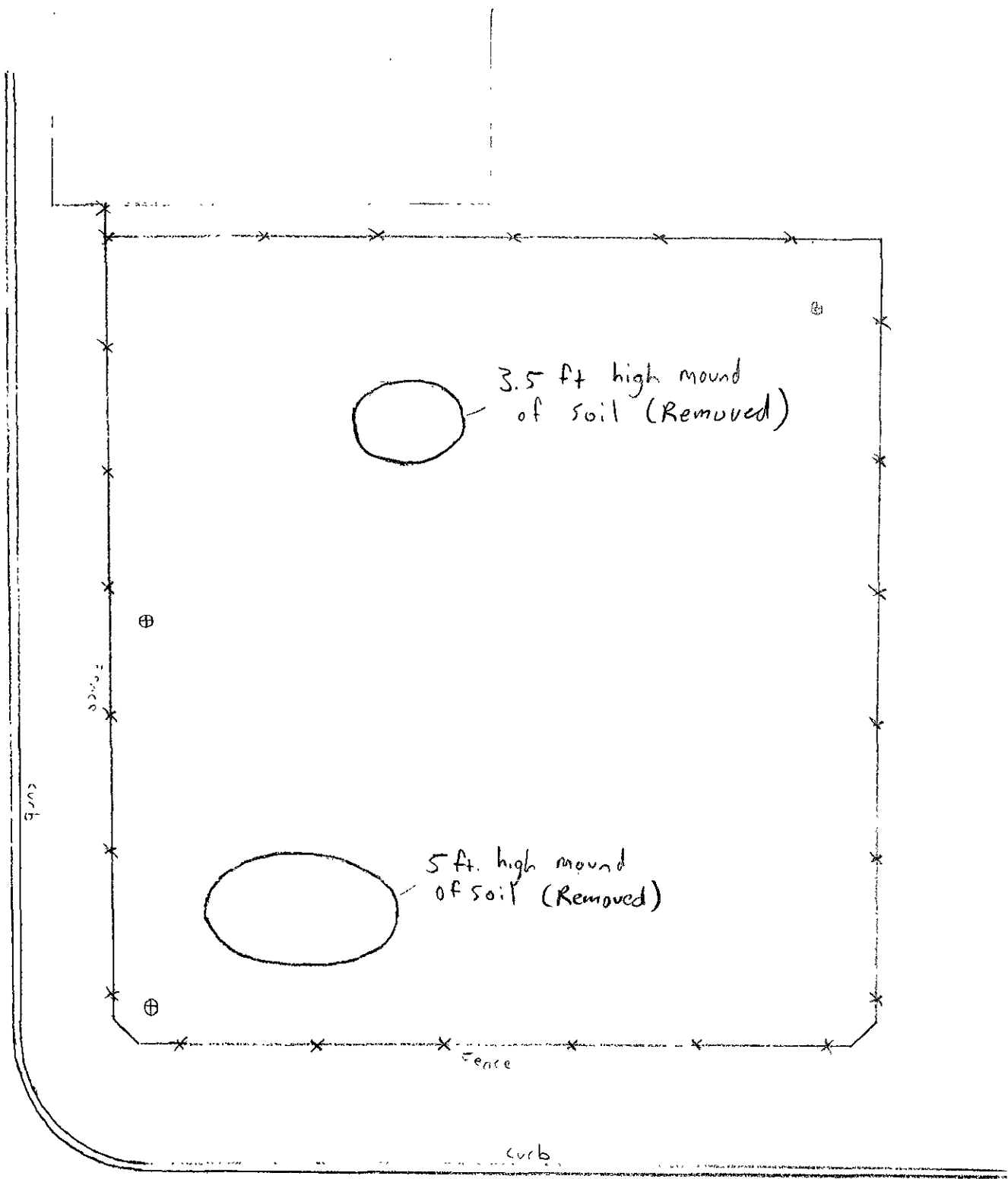
		Analysis Request										Other	Comments		
SAMPLE ID	LOCATION	SAMPLING		Containers		MATRIX					METHOD PRESERVED		Other	Comments	
		Date	Time	#	Type	Water	Soil	Air	Sludge	Other	Ice	HCl			HNO <sub>3</sub>
TP-1 NW	PIT NW WALL	11/28/01	4:30pm	1	455 SubP	X							X	X	84446
TP-2 SW	PIT SW WALL	11/28/01													84447
TP-3 SE	PIT SE WALL														84448
TP-4 NE	PIT NE WALL														84449
TP-5 bottom	PIT Bottom														84450

Relinquished By: <i>[Signature]</i>	Date: 11/28/01	Time: 6:30pm	Received By: <b>SECURE LOCATION</b>
Relinquished By: <i>[Signature]</i>	Date: 11-29-01	Time: 10:15	Received By: <i>[Signature]</i> #210
Relinquished By: <i>[Signature]</i>	Date: 11/29/01	Time: 1145	Received By: <i>[Signature]</i>

Remarks: *[Handwritten notes and checkmarks]*

TOTAL P.09

Fruitvale Ave.



Davis Street

1 inch = 20 feet

Figure 1 Site Map 2662 Fruitvale Avenue

1/17/02 CO Catlett

- 0800 Arrive at site (2662 Fruitvale)  
Take measurements of site features  
Waiting for arrival of Morgan Env. + Joseph Cotton
- 0825 Chris from Morgan Env. arrives with  
a backhoe Chris Accinelli
- 0850 Dump truck arrives Arturo ?
- 0900 Joseph Cotton arrives  
Ask Chris about signing manifests, he  
said that the soil is Non Hazardous thus  
there are no manifests
- 0905 Begin loading first load
- 0920 Finish 1st load, Arturo goes to dump  
2nd load of soil Approx. 12-13 yds
- 1130 Arturo returns with dump truck
- 1135 Begin loading 2nd load
- 1155 Finish loading, Truck departs to dump soil
- NOTE - The landfill closes at 2 p.m.,  
thus the next load (3rd and final)  
will be disposed of tomorrow morning

CC 1/17/02

# West Contra Costa Sanitary Landfill

Office: CA 94804-0070  
P.O. Box 4070, Richmond, CA 94804-0070  
Telephone (510) 262-1615  
Foot of Parr Boulevard, Richmond • 233-488

TICKET: 150227  
DATE: 01/18/2002  
TIME: 08:04 - 08:04

CUSTOMER: 9999 / CASH CU  
TRAILER: Non App  
ORIGIN GROUP: 1 / Richmond  
TRUCK: LICENSE  
TRUCKTYPE: PU / Pick U  
COMMENT: HAULCOST: 0

WASTE	QUANTITY	UNIT	AMOUNT
oil / dirt	10.00	Y	\$

Mandatory Fees  
CASH IN: \$  
I certify that I have not disposed  
of any liquid or hazardous waste.

Driver: *[Signature]*

Weightmaster:  
KELVIN DEL CUETO

OPTIMUM GRAPHICS INC. SAN ANSELMO, CA 94028-0001

**West Contra Costa  
Sanitary Landfill**

A023987

**Office:**

P.O. Box 4070, Richmond, CA 94804-0070  
Telephone (510) 262-1615  
Foot of Parr Boulevard, Richmond • 233-4355

TICKET: 149934  
DATE: 01/17/2002  
TIME: 12:33 - 12:33

CUSTOMER: 9999 / CASH CU  
TRAILER:  
ORIGIN GROUP: 1 / Richmond  
TRUCK: C  
TRUCK TYPE: PU / Pick U  
COMMENT:

Non App  
TARE: 0 LBS  
NET: 0 LBS  
WO:  
HAULGUST: 0

WASTE	QUANTITY	UNIT	AMOUNT
DT / Dirt	10.00	Y	\$

Mandatory Fees  
CASH IN: \$

CHANGE

\$ 0.00

I certify that I have not disposed  
of any liquid or hazardous waste.

Driver: 192

Weighmaster:  
KELVIN DEL CUETO

**West Contra Costa  
Sanitary Landfill**

Office:

P.O. Box 4070, Richmond, CA 94804-0070

Telephone (510) 262-1615

Foot of Parr Boulevard, Richmond • 293-4888

TICKET: 149711  
DATE: 01/17/2002  
TIME: 10:01 - 10:01

CUSTOMER: 9999 / CASH CUP

TRAILER:

ORIGIN GROUP: 1 / Richmond

TRUCK: C

TRUCK TYPE: PU / Pick Up

COMMENT:

LICENSE:

TRUCK

TARE: 0 LBS

NET: 0 LBS

WO:

HAULCUST: 100

WASTE	QUANTITY	UNIT	AMOUNT
DT / Dirt	10.00	Y	\$

Mandatory Fees

CASH IN: \$

CHANGE

\$ 0.00

I certify that I have not disposed  
of any liquid or hazardous waste.

Driver:

*CS*

Weightmaster:  
KELVIN DEL CUETO