

# EAST BAY REGIONAL PARK DISTRICT

## LETTER OF TRANSMITTAL

BOARD OF DIRECTORS  
 James H. Duncan *President*  
 Jocelyn Combs *Vice President*  
 Ted Racke *Treasurer*  
 Oliver Holmes *Secretary*  
 Harlan Kessel  
 John O. Donnell  
 Carroll Williams  
 Pat O'Brien  
*General Manager*

To: Mr. Amir Gholami Date: 12/23/92  
Alameda County Health Agency  
Division of Hazardous Material  
80 Swan Way, Room 200  
Oakland, CA 94621

Subject: South County Corporation Yard  
Removal of 250 Gallons U.G. Waste Oil Tank

**OFF**  
**IN THE**  
**PARK**  
**LAKE CHABOT**

We are sending you herewith:

- Prints,  Tracings,  Working drawings,
- Specifications,  Correspondence,  Photographs,
- Copies of soil analysis for diesel, oil, grease and etc.

For the following action:

- For your information,  For your records,  For your review,
- For your action,  Please return,  Please retain one copy and return the others with corrections and comments,

Comments: Per our phone conversation on Wednesday, December 23, 1992, the Park District will have the Contractor over excavate the pit of the contaminated soil. Soil shall be cleaned of contamination and tested. You will be notified 48 hours in advance when this work will be done.

Drawing Number	Date of original or revision	Copies	Description

Parkland Design Department  
 BY: Warren Gee  
 Warren Gee



# CHROMALAB, INC.

Environmental Laboratory (1094)

8 DAYS TURNAROUND

December 18, 1992

ChromaLab File No.: 1292131

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: ~~R. Buckman~~

RE: Four soil samples for Gasoline and BTEX analysis

Project Name: EBRPD-UST: South County Corp. Yard/Lake Chabot

Project Number: NC367.02

Date Sampled: Dec. 10, 1992

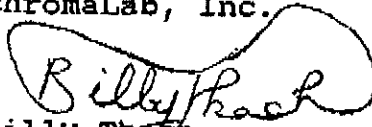
Date Submitted: Dec. 11, 1992

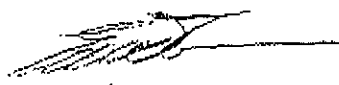
Date Analyzed: Dec. 16, 1992

## RESULTS:

Sample I.D.	Gasoline (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)
EBRPD-E-B1	N.D.	N.D.	N.D.	N.D.	N.D.
EBRPD-P-1A, B, 2A	N.D.	N.D.	N.D.	N.D.	N.D.
EBRPD-S-C	N.D.	N.D.	N.D.	N.D.	N.D.
EBRPD-SW-A	36	N.D.	N.D.	N.D.	33
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	82%	85%	88%	85%	86%
DUP SPIKE RECOVERY	----	88%	90%	86%	86%
DETECTION LIMIT	1.0	5.0	5.0	5.0	5.0
METHOD OF ANALYSIS	5030/8015	8020	8020	8020	8020

ChromaLab, Inc.

  
Billy Thatch  
Analytical Chemist

  
Eric Tam  
Laboratory Director

cc

# CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 14, 1992

ChromaLab File No.: 1292131

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: B. Rucker

RE: Four soil samples for Oil & Grease analysis

Project Name: EBRPD-UST: South County Corp. Yard/Lake Chabot

Project Number: NC367.02

Date Sampled: Dec. 10, 1992

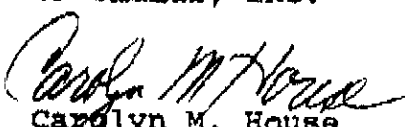
Date Submitted: Dec. 11, 1992

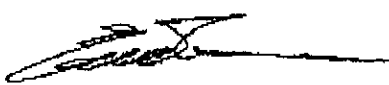
Date Analyzed: Dec. 14, 1992

## RESULTS:

Sample I.D.	Oil & Grease (mg/Kg)
EBRPD-E-B1	N.D.
EBRPD-P-1A, B, 2A	15000
EBRPD-S-C	72
EBRPD-SW-A	9300
BLANK	N.D.
DETECTION LIMIT	50
METHOD OF ANALYSIS	STD METHOD 5520 E & F

ChromaLab, Inc.

  
Carolyn M. House  
Analyst

  
Eric Tam  
Laboratory Director

cc

**CHROMALAB, INC.**

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 18, 1992

ChromaLab File No.: 1292131

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: B. Rucker

RE: Four soil samples for Diesel analysis

Project Name: EBRPD-UST: South County Corp. Yard/Lake Chabot

Project Number: NC367.02

Date Sampled: Dec. 10, 1992

Date Submitted: Dec. 11, 1992

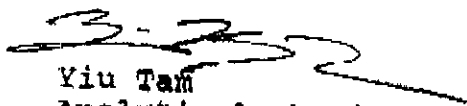
Date Extracted: Dec. 14, 1992

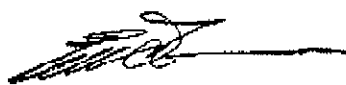
Date Analyzed: Dec. 14, 1992

**RESULTS:**

<u>Sample I.D.</u>	<u>Diesel (mg/Kg)</u>
EBRPD-E-B1	N.D.
EBRPD-P-1A,B,2A	12
EBRPD-S-C	90
EBRPD-SW-A	7400
BLANK	N.D.
SPIKE RECOVERY	91%
DUP SPIKE RECOVERY	90%
DETECTION LIMIT	1.0
METHOD OF ANALYSIS	3550/8015

ChromaLab, Inc.

  
 Yiu Tam  
 Analytical Chemist

  
 Eric Tam  
 Laboratory Director

dc

# CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 18, 1992

ChromaLab File No.: 1292131

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: B. Rucker

RE: Four soil samples for LUFT (5) Metals analysis

Project Name: EBRPD-UST: South County Corp. Yard/Lake Chabot

Project Number: NC367.02

Date Sampled: Dec. 10, 1992

Date Submitted: Dec. 11, 1992

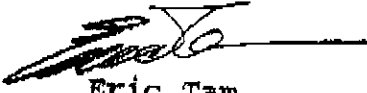
Date Analyzed: Dec. 18, 1992

## RESULTS:

<u>Sample I.D.</u>	<u>Cadmium (mg/Kg)</u>	<u>Chromium (mg/Kg)</u>	<u>Lead (mg/Kg)</u>	<u>Nickel (mg/Kg)</u>	<u>Zinc (mg/Kg)</u>
EBRPD-E-B1	0.20	19	3.5	19	25
EBRPD-P-1A, B, 2A	0.97	23	20	23	64
EBRPD-S-C	1.7	32	17	37	107
EBRPD-SW-A	0.37	21	5.8	20	34
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
DETECTION LIMIT	0.05	0.50	0.50	0.50	0.50
METHOD OF ANALYSIS	3050/ 6010	3050/ 6010	3050/ 6010	3050/ 6010	3050/ 6010

ChromaLab, Inc.

*Refaat A. Mankarious*  
Refaat A. Mankarious  
Inorganic Supervisor

  
Eric Tam  
Laboratory Director

do

**CHROMALAB, INC.**

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 18, 1992

ChromaLab File # 1292131 A

ENGINEERING-SCIENCE, INC. BERKELEY Attn: B. Rucker

Project Name: EBRPD-UST: South County Corp. Yard/Lake Chabot Project  
No: NC367.02

Date Sampled: Dec. 10, 1992

Method of Analysis: EPA 8010

Date Submitted: Dec. 11, 1992

Matrix: Soil

Date of Analysis: Dec. 16, 1992

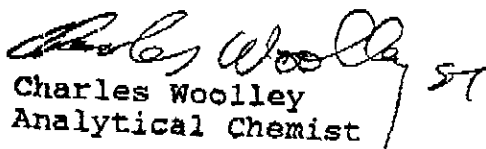
Detection Limit: 5.0 µg/Kg

Sample I.D.: EBRPD-E-B1

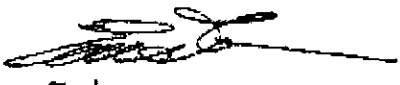
Dilution Factor: None

COMPOUND NAME	µg/Kg	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	---
METHYLENE CHLORIDE	N.D.	82% 81%
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,2-DICHLOROETHENE (CIS)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	112% 108%
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYL VINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	N.D.	---
DIBROMOCHLOROMETHANE	N.D.	89% 83%
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	95% 94%
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.



Charles Woolley  
Analytical Chemist



Eric Tam  
Laboratory Director

do

**CHROMALAB, INC.**

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 18, 1992

ChromaLab File # 1292131 B

ENGINEERING-SCIENCE, INC. BERKELEY Attn: B. Rucker

Project Name: EBRPD-UST: South County Corp. Yard/Lake Chabot Project  
No: NC367.02

Date Sampled: Dec. 10, 1992

Method of Analysis: EPA 8010

Date Submitted: Dec. 11, 1992

Matrix: Soil

Date of Analysis: Dec. 16, 1992

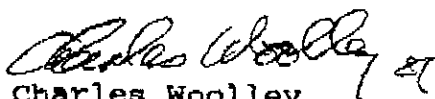
Detection Limit: 5.0 µg/Kg


Sample I.D.: EBRPD-P-1A,1B,2A

Dilution Factor: None

COMPOUND NAME	µg/Kg	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	82% 81%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,2-DICHLOROETHENE (CIS)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	112% 108%
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLEETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	N.D.	89% 83%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	95% 94%
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.

  
 Charles Woolley  
 Analytical Chemist

  
 Eric Tam  
 Laboratory Director

do

# CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 18, 1992

ChromaLab File # 1292131 U

ENGINEERING-SCIENCE, INC. BERKELEY Attn: B. Rucker

Project Name: EBRPD-UST: South County Corp. Yard/Lake Chabot Project  
No: NC367.02

Date Sampled: Dec. 10, 1992

Method of Analysis: EPA 8010

Date Submitted: Dec. 11, 1992

Matrix: Soil

Date of Analysis: Dec. 16, 1992

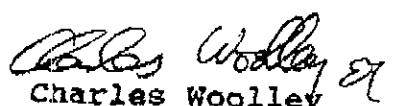
Detection Limit: 5.0 µg/Kg

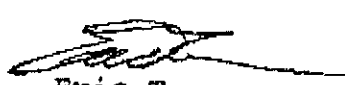
Sample I.D.: EBRPD-S-C

Dilution Factor: None

COMPOUND NAME	µg/Kg	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	---
METHYLENE CHLORIDE	N.D.	82% 81%
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,2-DICHLOROETHENE (CIS)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	112% 108%
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLEETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	N.D.	---
DIBROMOCHLOROMETHANE	N.D.	89% 83%
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	95% 94%
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.

  
Charles Woolley  
Analytical Chemist

  
Eric Tam  
Laboratory Director

do



# CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 18, 1992

ChromaLab File # 1292131 D

ENGINEERING-SCIENCE, INC. BERKELEY Attn: B. Rucker

Project Name: EBRPD-UST: South County Corp. Yard/Lake Chabot Project  
 No: NC367.02

Date Sampled: Dec. 10, 1992

Method of Analysis: EPA 8010

Date Submitted: Dec. 11, 1992

Matrix: Soil

Date of Analysis: Dec. 16, 1992

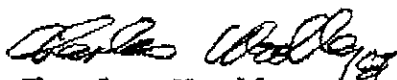
Detection Limit: 5.0 µg/Kg

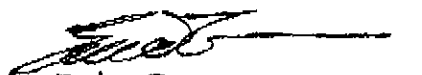
Sample I.D.: EBRPD-3W-A

Dilution Factor: None

COMPOUND NAME	µg/Kg	Spike Recovery	
CHLOROMETHANE	N.D.	---	---
VINYL CHLORIDE	N.D.	---	---
BROMOMETHANE	N.D.	---	---
CHLOROETHANE	N.D.	---	---
TRICHLOROFLUOROMETHANE	N.D.	---	---
1,1-DICHLOROETHENE	N.D.	82%	81%
METHYLENE CHLORIDE	N.D.	---	---
1,2-DICHLOROETHENE (TRANS)	N.D.	---	---
1,2-DICHLOROETHENE (CIS)	N.D.	---	---
1,1-DICHLOROETHANE	N.D.	---	---
CHLOROFORM	N.D.	---	---
1,1,1-TRICHLOROETHANE	N.D.	---	---
CARBON TETRACHLORIDE	N.D.	---	---
1,2-DICHLOROETHANE	N.D.	---	---
TRICHLOROETHENE	N.D.	112%	108%
1,2-DICHLOROPROPANE	N.D.	---	---
BROMODICHLOROMETHANE	N.D.	---	---
2-CHLOROETHYL VINYLETHER	N.D.	---	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---	---
CIS-1,3-DICHLOROPROPENE	N.D.	---	---
1,1,2-TRICHLOROETHANE	N.D.	---	---
TETRACHLOROETHENE	N.D.	89%	83%
DIBROMOCHLOROMETHANE	N.D.	---	---
CHLOROBENZENE	N.D.	---	---
BROMOFORM	N.D.	---	---
1,1,2,2-TETRACHLOROETHANE	N.D.	95%	94%
1,3-DICHLOROBENZENE	N.D.	---	---
1,4-DICHLOROBENZENE	N.D.	---	---
1,2-DICHLOROBENZENE	N.D.	---	---

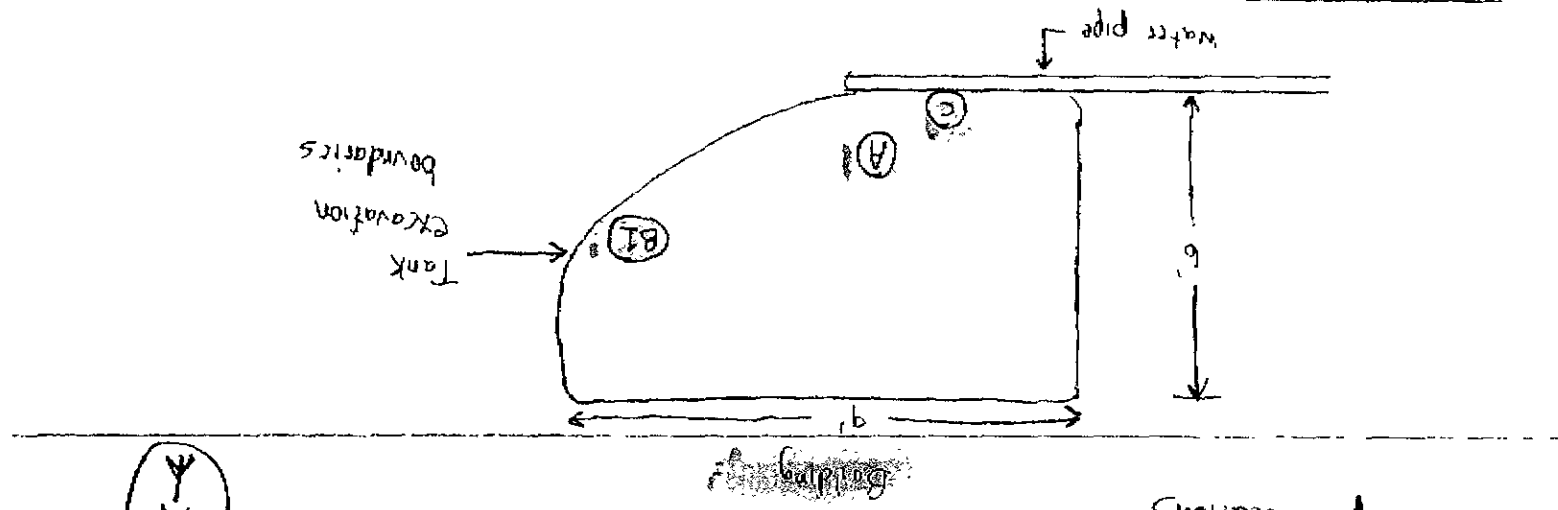
ChromaLab, Inc.

  
 Charles Woolley  
 Analytical Chemist

  
 Eric Tam  
 Laboratory Director

do

South County Corporation Yard /  
 Lake (Mabot)  
 UST Soil Sample Locations



Sample ID	Sample depth
SW-A	4 feet
F-B1	7.5 feet
S-C	2 feet

