



environmental service

by Papineau, P.E.A. 791

November 27, 2000

Mr. Jack Sumski, Jr.
Davis Realty Co., Inc.
5010 Geary Boulevard Suite 1
San Francisco, CA 94118

00 DEC 12 PM 3:25
ENVIRONMENTAL
PROTECTION

**Subject: Specified Soil and Ground Water Sampling and Laboratory Analyses
for 1723 Fruitvale Avenue, Oakland, California (Project 2000-033.01)**

Dear Mr. Sumski:

Environmental Service has prepared this letter to convey the results of sampling and laboratory analyses of samples collected from 1723 Fruitvale Avenue, Oakland, California, the "Property." Table I presents the November 2000 analytical results for soil samples and the one ground water sample collected from a pair of exploratory bore holes. Two bore holes were drilled and sampled on November 14, 2000, under Drilling Permit W00-747 issued by the Water Resources Section of the Alameda County Public Works Agency. Figure 1 illustrates the two locations of exploratory bore holes. Signed laboratory reports and a Sample Chain-of-Custody are included as Attachment A.

BACKGROUND. In August 2000 Mr. Hernan Gomez with the City of Oakland Office of Emergency Services referred the case to the Alameda County Health Care Services Agency. Before the referral, in June 2000, the following remedial actions required by the City of Oakland were performed by Basics Environmental on behalf of Davis Realty Co., Inc., the "Property Owner":

- A) At location SS-1 (see Figure 1), a former hydraulic hoist was removed and soil was excavated to a depth of 11 feet bgs.
- B) At location SB-4 (SS-2), adjacent to the former hydraulic lift, soil containing concentrations of 34 $\mu\text{g}/\text{kg}$ as perchloroethylene (PCE) and 68 mg/kg as Total Recoverable Petroleum Hydrocarbons was excavated to a depth of 11 feet bgs.

In December 1999, before remedial actions A and B (above), a Phase II investigation was performed at the discretion of the Property Owner prior to a contemplated sale of the Property. Gasoline (TPHg) and BTEX concentrations in the one ground water sample collected at location SB-1 were reported by the analytical laboratory to be 270 $\mu\text{g}/\text{L}$ as TPHg (with "no recognizable fuel pattern"); less than 0.5 $\mu\text{g}/\text{L}$ as benzene, toluene, and ethyl benzene (BTE); and 0.51 $\mu\text{g}/\text{L}$ as xylenes (X). PCE concentrations were reported by the analytical laboratory to be 42 $\mu\text{g}/\text{L}$ in the one ground water sample collected at location SB-1 and 24 $\mu\text{g}/\text{kg}$ in the composite of soil samples collected at 5 feet and 10 feet bgs at location SB-4. PCE was not detected in soil



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1723 Fruitvale Avenue, Oakland, California
ES Project 2000-033.01

samples collected at locations SB-1, SB-2, SB-3 in December 1999 or in the soil sample collected at location SS-1 in June 2000.

OBJECTIVE OF WORK. The current Phase II Subsurface Investigation was required by the Alameda County Health Care Services Agency, Environmental Health Services, as stated in its letter dated October 6, 2000. The objective of the required investigation is to assess whether perchloroethylene (PCE) has been released to the subsurface, including the soil deeper than 11 feet in the vicinity of SB-4 and SS-2 and the ground water in the downgradient vicinity of SB-4 and SS-2. SB-4 and SS-2 refer to previous sampling locations on the Property (see Figure 1).

Work was performed as generally agreed and outlined in the Proposed Sampling Plan, dated October 20, 2000, and Proposal 2000-033.01, and consisted of the following tasks:

1. Use a portable or low-clearance auger rig to drill two bore holes, each to approximately 25 feet below grade surface (bgs).
2. Drill one bore hole (SB-5) adjacent to the previous excavation at location SB-4/SS-2. Stop at 10 feet, 15 feet, and 20 feet bgs to collect soil samples, driven into a modified split spoon sampler loaded with brass sleeves.
3. Test all three vadose-zone or capillary fringe soil samples collected from SB-5 for PCE. In addition, analyze the soil samples collected from SB-5 at the 15-foot and 20-foot depths for gasoline (TPHg), hydraulic oil (TPHo), and diesel (TPHd) in accordance with U.S. EPA Method 8015M, and benzene, toluene, ethyl benzene, and xylenes (BTEX) in accordance with U.S. EPA Method 8020. Saturated soil samples from a ground water bearing zone will not be tested.
4. Drill a second bore hole (SB-6) approximately 5 to 10 feet downgradient from SB-5. Stop at 5, 10, 15, and 20 feet to collect soil samples driven into a split spoon sampler loaded with brass sleeves. Instruct the laboratory to hold the soil samples collected from SB-6 without testing.
5. Place a temporary well screen in bore hole SB-6, with a proposed screened interval from approximately 20 feet to 25 feet bgs. Purge the casing and screen and then collect one ground water sample with a disposable bailer. Ground water is expected to be encountered in a sand lens at 17 to 22 feet bgs.
6. Test the one (1) ground water sample for gasoline (TPHg), hydraulic oil (TPHo), and diesel (TPHd) in accordance with U.S. EPA Method 8015M; BTEX in accordance with U.S. EPA Method 8020; and PCE in accordance with U.S. EPA Method 8010.
7. Remove casing and grout the two holes with neat cement using a tremie. Place soil cuttings and purge water in Department of Transportation (D.O.T.) hazard-rated 55-gallon drums.
8. Transport soil samples and ground water sample on ice in an ice chest under a proper Sample Chain-of-Custody, for testing by a California DHS ELAP-certified analytical laboratory.
9. Prepare a concise letter report with laboratory analytical results, Sample Chain-of-Custody, sample location map, and soil boring logs signed by the Registered Geologist.



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DRILLING AND SAMPLING. Drilling and sampling were conducted on November 14, 2000, after a Site Safety Meeting to discuss job hazards, protective clothing, and emergency procedures. Indoor bore hole locations SB-5 and SB-6 were assured cleared of utility lines by hand augering the first 3 feet under the concrete floor slab. Drilling was performed by HEW Drilling Company with a Diedrich D-25 limited-access rig.

Soil samples were collected at 5-foot intervals from each bore hole, SB-5 and SB-6. Soil samples retained for laboratory analysis were collected from approximately 11.5 feet, 16.5 feet, and 20.5 feet bgs from bore hole SB-5. After purging approximately 5 gallons, a ground water sample was collected from a temporary well screen placed down the hole in SB-6. Purge water and soil cuttings from the drilling were placed in two 55-gallon drums, labeled with the Property address and accumulation date, and left inside the building.

Sample Handling. Soil samples in the brass sleeves were covered with a Teflon™ sheet on both ends and capped with plastic end caps. Discrete soil samples were labeled in the field with a sequential alphanumeric, such as SB5-11.5, SB5-16.5, or SB5-20.5. Soil samples were kept cool in an ice chest with water ice or in a refrigerator, and the next day after sampling, on November 15, 2000, were transported by the sampler to Entech Analytical Labs, Inc., a California EPA-certified test laboratory in Santa Clara, California (Cal/EPA-ELAP #2346), accompanied with a Sample Chain-of-Custody.

Instructions for Laboratory Analysis. Entech Analytical Labs, Inc., was instructed to analyze three soil samples, SB5-11.5, SB5-16.5, and SB5-20.5, as discrete samples for concentrations of halogenated volatile organic compounds (HVOCs, which include PCE) and two soil samples, SB5-16.5 and SB5-20.5, as discrete samples for concentrations of gasoline and diesel, BTEX, and hydraulic oil. Soil samples collected from bore hole SB-6 were retained but held by the laboratory without testing. Entech Analytical Labs, Inc., was instructed to test the ground water sample, SB6-GW, collected from a temporary well screen placed in bore hole SB-6, for HVOCs, gasoline and diesel, BTEX, and hydraulic oil. Analytical methods were U.S. EPA Method 8010 for HVOCs; U.S. EPA Method 8015M for gasoline, diesel, and hydraulic oil; and U.S. EPA Method 8020 for BTEX.

RESULTS. Table 1 presents the results of laboratory analyses. Interpretation of results is presented on the following page.

PCE was reported at detectable concentrations in the three soil samples, at 9.8 µg/kg (parts per billion) in sample SB5-11.5, at 19 µg/kg in sample SB5-16.5, and at 43 µg/kg in sample SB5-20.5. Gasoline and diesel, BTEX, and hydraulic oil were reported as not detected in soil samples SB5-16.5 and SB5-20.5. The detection limits reported by the laboratory for soil samples were 1 mg/kg as gasoline and diesel, 0.005 mg/kg as BTEX, and 13 mg/kg as hydraulic oil.

The ground water sample, SB6-GW, was reported to have less than detectable concentrations of diesel (less than 74 µg/L), BTEX (less than 0.5 µg/L), and hydraulic oil (less than 368 µg/L). The ground water sample was reported to have a detectable concentration of gasoline at the reported concentration of 65 µg/L.



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1723 Fruitvale Avenue, Oakland, California
ES Project 2000-033.01

INTERPRETATION. Concentrations of PCE in the soil samples collected in November 2000 are low part-per-billion concentrations, 9.8 to 43 $\mu\text{g}/\text{kg}$ (ppb), similar to those concentrations of 24 to 34 $\mu\text{g}/\text{kg}$ previously reported. Concentrations appear to increase with increasing depth to a maximum concentration of 43 $\mu\text{g}/\text{kg}$ in the smear zone. The smear zone refers to soil at, or just above, 20.5 feet bgs, which may seasonally be saturated with ground water.

Concentrations of PCE in soil are less than the U.S. EPA, Region 9, Preliminary Remedial Goals (PRGs) for perchloroethylene, which are 5,700 $\mu\text{g}/\text{kg}$ (ppb) for residential land and 19,000 $\mu\text{g}/\text{kg}$ (ppb) for industrial land.

Soil samples were collected from native soil adjacent to the previous June 2000 excavation areas. Native soil consisted generally of approximately 19 feet of silt or silty clay overlying a thin 5-foot layer of clayey gravel and sand. The clayey gravel and sand layer itself overlies sandy clay logged at location SB-6 to a total depth of 26 feet. The clayey gravel is a very dense formation, characterized by 59 to 86 blow counts per vertical foot. Staining or odor were not found in any soil samples collected from the exploratory borings in November 2000. Ground water was encountered at a depth of 21.5 feet bgs in clayey sand with trace gravel, just beneath the very dense clayey gravel (refer to Attachment B, Exploratory Soil Boring Logs).

In the one ground water sample, SB6-GW, the concentration of PCE was reported to be 290 $\mu\text{g}/\text{L}$ (ppb). The above concentration is higher than the PCE concentration of 42 $\mu\text{g}/\text{L}$ previously reported for the ground water sample collected at location SB-1 in December 1999. The reported December 1999 and November 2000 concentrations of PCE in ground water are above the U.S. EPA's Maximum Contaminant Level of 5 $\mu\text{g}/\text{L}$ for drinking water.

Decomposition products of PCE degradation were reported at less than detectable concentrations in November 2000. In particular, concentrations of HVOCs such as cis-1,2-dichloroethene (cis-1,2-DCE) and trichloroethene (TCE) were reported to be less than detection limits, 5 $\mu\text{g}/\text{kg}$ or higher in soil and 5 $\mu\text{g}/\text{L}$ or higher in ground water. Such other HVOCs are frequently present in conjunction with PCE at release sites. If present in soil or ground water, cis-1,2 DCE and TCE may be at concentrations less than the detection limits of 5 $\mu\text{g}/\text{kg}$ in soil and 5 $\mu\text{g}/\text{L}$ in ground water.

CONCLUSION. Recommendations are withheld pending discussion of the results with the owner and the Alameda County Health Care Services Agency. Further sampling and testing will not be performed unless required by Alameda County and authorized by the owner.

Deviations/Extras. Location SB-6 was shifted south to the location shown in Figure 1.

Limitations. This work is the work of a California Registered Environmental Assessor and California Registered Geologist. The results expressed herein constitute laboratory and technical evaluations. Results apply only to the soil and ground water samples collected and tested as reported herein. Samples that could be collected from other locations on the site may have different concentrations than the concentrations reported herein.



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1723 Fruitvale Avenue, Oakland, California
ES Project 2000-033.01

A signed copy of this report should be forwarded by the Property Owner to Alameda County Health Care Services Agency, to the specialist named below:

Mr. Don Hwang
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway Suite 250
Alameda, CA 94502-6577

TEL (510) 567-6746 FAX (510) 337-9335

Thank you for this opportunity to serve Davis Realty Co., Inc. If you have any questions or require additional information, please contact me directly.

Sincerely,

Marc Papineau
California Registered Environmental Assessor 791
Project Manager

R. Mark Armstrong
California Registered Geologist #6134
Project Reviewer

enclosures: Table 1 (page 6)
Figure 1 (page 7)
Attachment A, Signed Laboratory Reports and Sample Chain-of-Custody
Attachment B, Exploratory Soil Boring Logs



Papineau, R.E.A. 791

1723 Fruitvale Avenue, Oakland, California
ES Project 2000-033.01

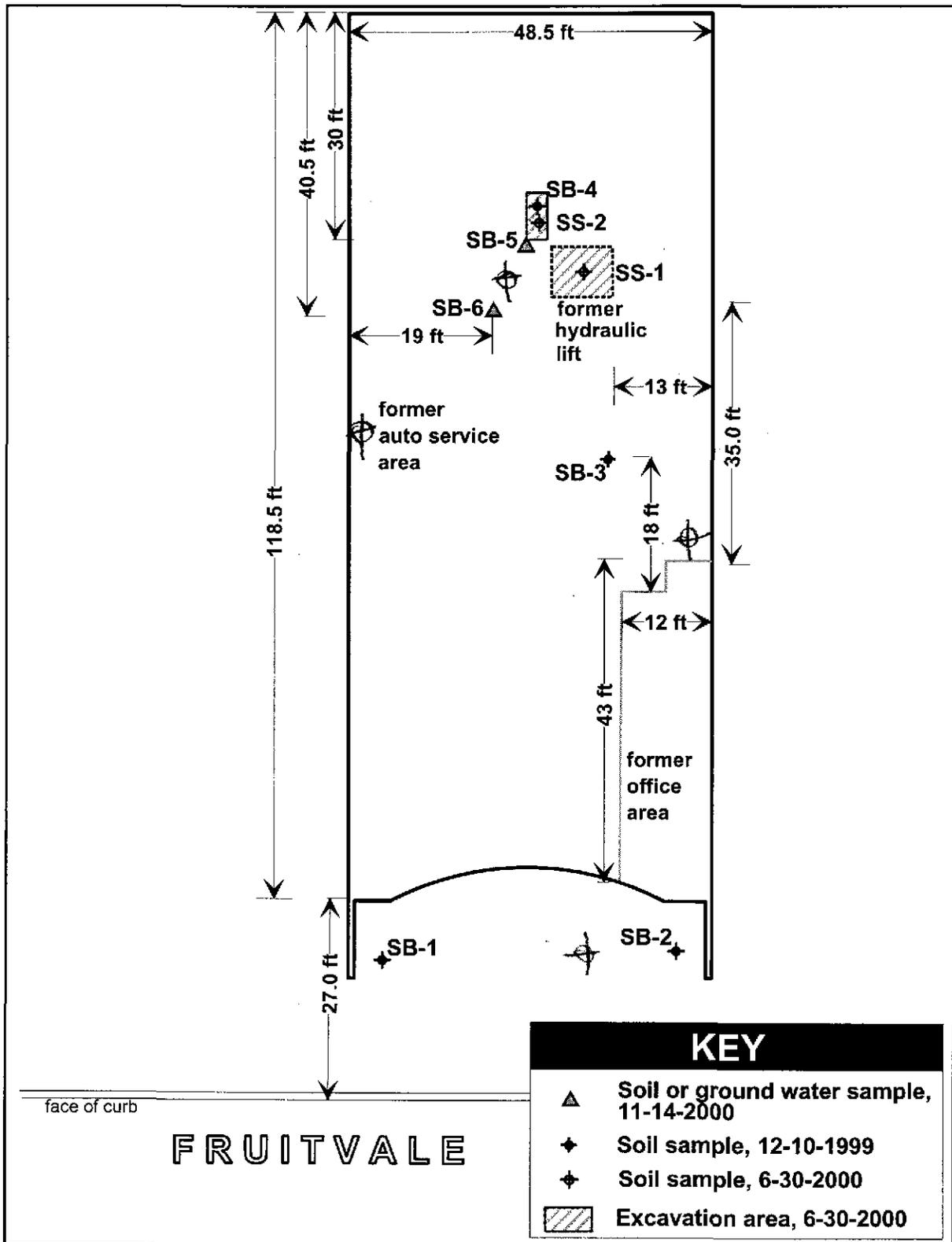
TABLE 1.
ANALYTICAL RESULTS FOR SOIL & GROUND WATER SAMPLES
Date of Last Revision: 11/27/2000 All Results in Parts per Billion^a

Soil Sample Identification	Sample Depth Interval (feet)	Halogenated Volatile Organic Compounds ^b US EPA Method 8010			Specified Petroleum Hydrocarbons ^c US EPA Method 8015M
		1,2-DCE	TCE	PCE	
November 2000 SB5-11.5	11 to 11.5	ND	ND	9.8	not tested for stated analytes ^c
SB5-16.5	16 to 16.5	ND	ND	19	ND ^d
SB5-20.5	20 to 20.5	ND	ND	43	ND ^d
SB6-GW	20.3	ND	ND	290	65 as gasoline ^d
December 1999 [S]B-1@5&10	5 & 10 composite	ND	ND	ND(<10)	ND(<10) as TRPH ^e ND ^d as gasoline
[S]B-2@5&10	5 & 10 composite	ND	ND	ND(<10)	ND(<10) as TRPH ^e ND ^d as gasoline
[S]B-3@5&10	5 & 10 composite	ND	ND	ND(<10)	ND(<10) as TRPH ^e not tested by Method 8015M
[S]B-4@5&10	5 & 10 composite	ND	ND	24	ND(<10) as TRPH ^e not tested by Method 8015M
[SB-1] GW-1	22	1.8	3.9	42	2.1 as TRPH ^e 270 as gasoline ^f
Detection Limits (Parts Per Billion)		5	5	5	various

NOTES:

- 1,2-DCE cis-1,2-dichloroethene
- TCE Trichloroethene
- PCE Tetrachloroethene, also perchloroethylene or PCE
- ND None detected at or above the Detection Limits reported by the laboratory either in the bottom row of Table 1 or in parentheses "()" if different.
- a Laboratory results for HVOCs by U.S. EPA Method 8010 parameters, and for gasoline, diesel and hydraulic oil by U.S. EPA Method 8015M, are stated in parts per billion.
- b HVOCs analyzed in accordance with U.S. EPA Method 8010.
- c Specified petroleum hydrocarbons - gasoline, diesel, and hydraulic oil - were analyzed in accordance with U.S. EPA Method 8015M. Results and Detection Limits have been restated in units of parts per billion for consistency.
- d Benzene, toluene, ethyl benzene, and xylenes were reported as not detected, as analyzed in accordance with U.S. EPA Method 8020.
- e Tested in accordance with Standard Method 5520C&F, not U.S. EPA Method 8015M.
- f Laboratory annotated "no recognizable pattern."

SOURCE: Entech Analytical Labs, Inc. (Cal/EPA ELAP #2346), November 20, 2000;
McC Campbell Analytical Inc., (Cal/EPA ELAP #1644), December 17, 1999



	<p>environmental service by Papineau, R.E.A. 791</p>	<p>5.0 ft 10.0 ft</p>	<p>Figure 1 Sample Location Map 1723 Fruitvale Avenue Oakland, California</p>
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1723 Fruitvale Avenue, Oakland, California
ES Project 2000-033.01

ATTACHMENT A

SIGNED LABORATORY REPORTS

AND

SAMPLE CHAIN-OF-CUSTODY

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

November 20, 2000

Marc Papineau
Environmental Services
5789 Gold Creek Drive
Castro Valley, CA 94546

Order: 23169
Project Name: 1723 Fruitvale
Project Number: 2000-033.01
Project Notes:

Date Collected: 11/15/00
Date Received: 11/15/00
P.O. Number: 2000-033.01

On November 15, 2000, samples were received under documented chain of custody. Results for the following analyses are attached:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>
Liquid	EPA 8010	EPA 8010
	Gas/BTEX	EPA 8015 MOD. (Purgeable)
		EPA 8020
	TPH as Diesel	EPA 8015 MOD. (Extractable)
Solid	TPH as Hydraulic Oil	EPA 8015 MOD. (Extractable)
	EPA 8010	EPA 8010
	Gas/BTEX	EPA 8015 MOD. (Purgeable)
		EPA 8020
	TPH as Diesel	EPA 8015 MOD. (Extractable)
	TPH as Hydraulic Oil	EPA 8015 MOD. (Extractable)

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-735-1550.

Sincerely,



Michelle L. Anderson
Lab Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Environmental Services
5789 Gold Creek Drive
Castro Valley, CA 94546
Attn: Marc Papineau

Date: 11/20/00
Date Received: 11/15/00
Project Name: 1723 Fruitvale
Project Number: 2000-033.01
P.O. Number: 2000-033.01
Sampled By: M. Papineau

Certified Analytical Report

Order ID: 23169 Lab Sample ID: 23169-002 Client Sample ID: SB5-16.5
Sample Time: 3:00 PM Sample Date: 11/15/00 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	1	1	mg/Kg	11/16/00	11/17/00	DS001106	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 89		Control Limits (%) 50 - 120

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	13	13	mg/Kg	11/16/00	11/17/00	DS001106	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 89		Control Limits (%) 65 - 135

Order ID: 23169 Lab Sample ID: 23169-003 Client Sample ID: SB5-20.5
Sample Time: 3:20 PM Sample Date: 11/15/00 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	1	1	mg/Kg	11/16/00	11/17/00	DS001106	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 77		Control Limits (%) 50 - 120

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	13	13	mg/Kg	11/16/00	11/17/00	DS001106	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 77		Control Limits (%) 65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Environmental Services
5789 Gold Creek Drive
Castro Valley, CA 94546
Attn: Marc Papineau

Date: 11/20/00
Date Received: 11/15/00
Project Name: 1723 Fruitvale
Project Number: 2000-033.01
P.O. Number: 2000-033.01
Sampled By: M. Papineau

Certified Analytical Report

Order ID: 23169	Lab Sample ID: 23169-004	Client Sample ID: SB6-GW								
Sample Time: 1:23 PM	Sample Date: 11/15/00	Matrix: Liquid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	74	74	µg/L	11/16/00	11/17/00	DW001105	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 86		Control Limits (%) 45 - 105
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	368	368	µg/L	11/16/00	11/17/00	DW001105	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 86		Control Limits (%) 65 - 135

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

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Environmental Services
5789 Gold Creek Drive
Castro Valley, CA 94546
Attn: Marc Papineau

Date: 11/20/00
Date Received: 11/15/00
Project Name: 1723 Fruitvale
Project Number: 2000-033.01
P.O. Number: 2000-033.01
Sampled By: M. Papineau

Certified Analytical Report

Order ID: 23169

Lab Sample ID: 23169-002

Client Sample ID: SB5-16.5

Sample Time: 3:00 PM

Sample Date: 11/15/00

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.005	0.005	mg/Kg	N/A	11/16/00	SGC4001113	EPA 8020
Toluene	ND		1	0.005	0.005	mg/Kg	N/A	11/16/00	SGC4001113	EPA 8020
Ethyl Benzene	ND		1	0.005	0.005	mg/Kg	N/A	11/16/00	SGC4001113	EPA 8020
Xylenes, Total	ND		1	0.005	0.005	mg/Kg	N/A	11/16/00	SGC4001113	EPA 8020
				Surrogate		Surrogate Recovery		Control Limits (%)		
				aaa-Trifluorotoluene		112		65 - 135		
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	1	1	mg/Kg	N/A	11/16/00	SGC4001113	EPA 8015 MOD. (Purgeable)
				Surrogate		Surrogate Recovery		Control Limits (%)		
				aaa-Trifluorotoluene		122		65 - 135		

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

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Environmental Services
5789 Gold Creek Drive
Castro Valley, CA 94546
Attn: Marc Papineau

Date: 11/20/00
Date Received: 11/15/00
Project Name: 1723 Fruitvale
Project Number: 2000-033.01
P.O. Number: 2000-033.01
Sampled By: M. Papineau

Certified Analytical Report

Order ID: 23169

Lab Sample ID: 23169-003

Client Sample ID: SB5-20.5

Sample Time: 3:20 PM

Sample Date: 11/15/00

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.005	0.005	mg/Kg	N/A	11/16/00	SGC4001113	EPA 8020
Toluene	ND		1	0.005	0.005	mg/Kg	N/A	11/16/00	SGC4001113	EPA 8020
Ethyl Benzene	ND		1	0.005	0.005	mg/Kg	N/A	11/16/00	SGC4001113	EPA 8020
Xylenes, Total	ND		1	0.005	0.005	mg/Kg	N/A	11/16/00	SGC4001113	EPA 8020
				Surrogate		Surrogate Recovery		Control Limits (%)		
				aaa-Trifluorotoluene		108		65 - 135		

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	1	1	mg/Kg	N/A	11/16/00	SGC4001113	EPA 8015 MOD. (Purgeable)
				Surrogate		Surrogate Recovery		Control Limits (%)		
				aaa-Trifluorotoluene		120		65 - 135		

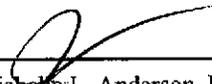
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Environmental Services
5789 Gold Creek Drive
Castro Valley, CA 94546
Attn: Marc Papineau

Date: 11/20/00
Date Received: 11/15/00
Project Name: 1723 Fruitvale
Project Number: 2000-033.01
P.O. Number: 2000-033.01
Sampled By: M. Papineau

Certified Analytical Report

Order ID: 23169	Lab Sample ID: 23169-004	Client Sample ID: SB6-GW								
Sample Time: 1:23 PM	Sample Date: 11/15/00	Matrix: Liquid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	N/A	11/16/00	WGC4001116	EPA 8020
Toluene	ND		1	0.5	0.5	µg/L	N/A	11/16/00	WGC4001116	EPA 8020
Ethyl Benzene	ND		1	0.5	0.5	µg/L	N/A	11/16/00	WGC4001116	EPA 8020
Xylenes, Total	ND		1	0.5	0.5	µg/L	N/A	11/16/00	WGC4001116	EPA 8020
				Surrogate		Surrogate Recovery		Control Limits (%)		
				aaa-Trifluorotoluene		97		65 - 135		
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	65	x	1	50	50	µg/L	N/A	11/16/00	WGC4001116	EPA 8015 MOD. (Purgeable)
				Surrogate		Surrogate Recovery		Control Limits (%)		
				aaa-Trifluorotoluene		109		65 - 135		

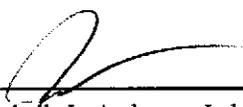
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Environmental Services
5789 Gold Creek Drive
Castro Valley, CA 94546
Attn: Marc Papineau

Date: 11/20/00
Date Received: 11/15/00
Project Name: 1723 Fruitvale
Project Number: 2000-033.01
P.O. Number: 2000-033.01
Sampled By: M. Papineau

Certified Analytical Report

Order ID: 23169

Lab Sample ID: 23169-001

Client Sample ID: SB5-11.5

Sample Time: 2:40 PM

Sample Date: 11/15/00

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,1-Dichloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,1-Dichloroethene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,2-Dichloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,2-Dichloropropane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Bromodichloromethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Bromoform	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Bromomethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Carbon Tetrachloride	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Chlorobenzene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Chloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Chloroform	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Chloromethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Dibromochloromethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Freon 113	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Methylene Chloride	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Tetrachloroethene	9.8		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Trichloroethene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Trichlorofluoromethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Vinyl Chloride	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010

Surrogate

Bromochloromethane

Surrogate Recovery

113

Control Limits (%)

65 - 135

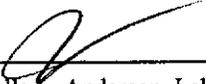
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Michelle L. Anderson, Laboratory Director

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Page 1 of 4

Entech Analytical Labs, Inc.

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Environmental Services
5789 Gold Creek Drive
Castro Valley, CA 94546
Attn: Marc Papineau

Date: 11/20/00
 Date Received: 11/15/00
 Project Name: 1723 Fruitvale
 Project Number: 2000-033.01
 P.O. Number: 2000-033.01
 Sampled By: M. Papineau

Certified Analytical Report

Order ID: 23169

Lab Sample ID: 23169-002

Client Sample ID: SB5-16.5

Sample Time: 3:00 PM

Sample Date: 11/15/00

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,1-Dichloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,1-Dichloroethene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,2-Dichloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,2-Dichloropropane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Bromodichloromethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Bromoform	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Bromomethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Carbon Tetrachloride	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Chlorobenzene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Chloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Chloroform	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Chloromethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Dibromochloromethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Freon 113	ND		1	5	5	µg/kg	11/18/00	SVOC1001118	EPA 8010
Methylene Chloride	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Tetrachloroethene	19		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Trichloroethene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Trichlorofluoromethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Vinyl Chloride	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010

Surrogate

Surrogate Recovery

Control Limits (%)

Bromochloromethane

114

65 - 135

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

Page 2 of 4

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Environmental Services
5789 Gold Creek Drive
Castro Valley, CA 94546
Attn: Marc Papineau

Date: 11/20/00
Date Received: 11/15/00
Project Name: 1723 Fruitvale
Project Number: 2000-033.01
P.O. Number: 2000-033.01
Sampled By: M. Papineau

Certified Analytical Report

Order ID: 23169

Lab Sample ID: 23169-003

Client Sample ID: SB5-20.5

Sample Time: 3:20 PM

Sample Date: 11/15/00

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,1-Dichloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,1-Dichloroethene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,2-Dichloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,2-Dichloropropane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Bromodichloromethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Bromoform	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Bromomethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Carbon Tetrachloride	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Chlorobenzene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Chloroethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Chloroform	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Chloromethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Dibromochloromethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Freon 113	ND		1	5	5	µg/kg	11/18/00	SVOC1001118	EPA 8010
Methylene Chloride	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Tetrachloroethene	43		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Trichloroethene	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Trichlorofluoromethane	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010
Vinyl Chloride	ND		1	5	5	µg/Kg	11/18/00	SVOC1001118	EPA 8010

Surrogate

Bromochloromethane

Surrogate Recovery

118

Control Limits (%)

65 - 135

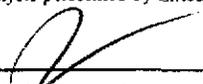
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

Page 3 of 4

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Environmental Services
5789 Gold Creek Drive
Castro Valley, CA 94546
Attn: Marc Papineau

Date: 11/20/00
Date Received: 11/15/00
Project Name: 1723 Fruitvale
Project Number: 2000-033.01
P.O. Number: 2000-033.01
Sampled By: M. Papineau

Certified Analytical Report

Order ID: 23169		Lab Sample ID: 23169-004			Client Sample ID: SB6-GW				
Sample Time: 1:23 PM		Sample Date: 11/15/00			Matrix: Liquid				
Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1-Trichloroethane	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
1,1,2,2-Tetrachloroethane	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
1,1,2-Trichloroethane	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
1,1-Dichloroethane	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
1,1-Dichloroethene	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
1,2-Dichlorobenzene	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
1,2-Dichloroethane	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
1,2-Dichloropropane	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
1,3-Dichlorobenzene	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
1,4-Dichlorobenzene	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
Bromodichloromethane	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
Bromoform	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
Bromomethane	ND		10	1	10	µg/L	11/19/00	WVOC1001112	EPA 8010
Carbon Tetrachloride	ND		10	1	10	µg/L	11/19/00	WVOC1001112	EPA 8010
Chlorobenzene	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
Chloroethane	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
Chloroform	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
Chloromethane	ND		10	1	10	µg/L	11/19/00	WVOC1001112	EPA 8010
cis-1,2-Dichloroethene	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
cis-1,3-Dichloropropene	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
Dibromochloromethane	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
Dichlorodifluoromethane	ND		10	1	10	µg/L	11/19/00	WVOC1001112	EPA 8010
Methylene Chloride	ND		10	3	30	µg/L	11/19/00	WVOC1001112	EPA 8010
Tetrachloroethene	290		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
trans-1,2-Dichloroethene	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
trans-1,3-Dichloropropene	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
Trichloroethene	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
Trichlorofluoromethane	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
Vinyl Chloride	ND		10	0.5	5	µg/L	11/19/00	WVOC1001112	EPA 8010
Surrogate		Surrogate Recovery			Control Limits (%)				
Bromochloromethane		115			65 - 135				

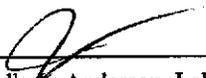
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


 Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

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Quality Control Results Summary

QC Batch #: DS001106
Matrix: Solid

Units: mg/Kg
Date Analyzed: 11/15/00

Parameter	Method	Method Blank	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	EPA 8015 M	ND		25		19.19	LCS	76.8			58.0 - 120.0
TPH as Diesel	EPA 8015 M	ND		25		20.67	LCSD	82.7	7.43	25.00	58.0 - 130.0

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

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Quality Control Results Summary

QC Batch #: DW001105

Matrix: Liquid

Units: µg/L

Date Analyzed: 11/17/00

Parameter	Method	Method Blank	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	EPA 8015 M	ND		1000		816.59	LCS	81.7			50.0 - 110.0
	Surrogate			Surrogate Recovery		Control Limits (%)					
	o-Terphenyl			99		45 - 105					
TPH as Diesel	EPA 8015 M	ND		1000		830.26	LCSD	83.0	1.66		50.0 - 110.0
	Surrogate			Surrogate Recovery		Control Limits (%)					
	o-Terphenyl			95		45 - 105					

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

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Quality Control Results Summary

QC Batch #: SGC4001113
 Matrix: Solid

Units: mg/Kg
 Date Analyzed: 11/13/00

Parameter	Method	Method Blank	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	EPA 8020	ND		0.0052		0.0052	LCS	100.0			75.0 - 125.0
Ethyl Benzene	EPA 8020	ND		0.0056		0.005	LCS	89.3			75.0 - 125.0
Toluene	EPA 8020	ND		0.029		0.029	LCS	100.0			75.0 - 125.0
Xylenes, total	EPA 8020	ND		0.032		0.032	LCS	100.0			75.0 - 125.0
TPH as Gasoline	EPA 8015 M	ND		0.469		0.458	LCS	97.7			75.0 - 125.0
Surrogate				Surrogate Recovery		Control Limits (%)					
aaa-Trifluorotoluene				103		65 - 135					
Benzene	EPA 8020	ND		0.0052		0.005	LCSD	96.2	3.92	25.00	75.0 - 125.0
Ethyl Benzene	EPA 8020	ND		0.0056		0.005	LCSD	89.3	0.00	25.00	75.0 - 125.0
Toluene	EPA 8020	ND		0.029		0.028	LCSD	96.6	3.51	25.00	75.0 - 125.0
Xylenes, total	EPA 8020	ND		0.032		0.030	LCSD	93.8	6.45	25.00	75.0 - 125.0
TPH as Gasoline	EPA 8015 M	ND		0.469		0.439	LCSD	93.6	4.24	25.00	75.0 - 125.0
Surrogate				Surrogate Recovery		Control Limits (%)					
aaa-Trifluorotoluene				95		65 - 135					

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Quality Control Results Summary

QC Batch #: WGC4001116
Matrix: Liquid

Units: µg/L
Date Analyzed: 11/16/00

Parameter	Method	Method Blank	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	EPA 8020	ND		5.2		5.44	LCS	104.6			75.0 - 125.0
Ethyl Benzene	EPA 8020	ND		5.6		5.98	LCS	106.8			75.0 - 125.0
Toluene	EPA 8020	ND		29		28.3	LCS	97.6			75.0 - 125.0
Xylenes, total	EPA 8020	ND		32		31.4	LCS	98.1			75.0 - 125.0
Methyl-t-butyl Ether	EPA 8020	ND		36		43.0	LCS	119.4			75.0 - 125.0
TPH as Gasoline	EPA 8015 M	ND		469		460.3	LCS	98.1			75.0 - 125.0
Surrogate			Surrogate Recovery			Control Limits (%)					
aaa-Trifluorotoluene			104			65 - 135					
Benzene	EPA 8020	ND		5.2		5.71	LCSD	109.8	4.84	25.00	75.0 - 125.0
Ethyl Benzene	EPA 8020	ND		5.6		6.23	LCSD	111.3	4.10	25.00	75.0 - 125.0
Toluene	EPA 8020	ND		29		28.9	LCSD	99.7	2.10	25.00	75.0 - 125.0
Xylenes, total	EPA 8020	ND		32		32.5	LCSD	101.6	3.44	25.00	75.0 - 125.0
Methyl-t-butyl Ether	EPA 8020	ND		36		35.0	LCSD	97.2	20.51	25.00	75.0 - 125.0
TPH as Gasoline	EPA 8015 M	ND		469		453.2	LCSD	96.6	1.55	25.00	75.0 - 125.0
Surrogate			Surrogate Recovery			Control Limits (%)					
aaa-Trifluorotoluene			107			65 - 135					

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Quality Control Results Summary

QC Batch #: WVOC1001112
 Matrix: Liquid

Units: µg/L
 Date Analyzed: 11/12/00

Parameter	Method	Method Blank	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethane	EPA 8010	ND		20		20.8	LCS	104.0			67.0 - 135.0
Chlorobenzene	EPA 8010	ND		20		21.3	LCS	106.5			70.0 - 128.0
Trichloroethene	EPA 8010	ND		20		20.2	LCS	101.0			61.0 - 131.0
Surrogate				Surrogate Recovery		Control Limits (%)					
	Bromochloromethane			83				65 - 135			
	Fluorobenzene			91				65 - 135			
1,1-Dichloroethane	EPA 8010	ND		20		21.6	LCSD	108.0	3.77	25.00	67.0 - 135.0
Chlorobenzene	EPA 8010	ND		20		22.5	LCSD	112.5	5.48	25.00	70.0 - 128.0
Trichloroethene	EPA 8010	ND		20		20.7	LCSD	103.5	2.44	25.00	61.0 - 131.0
Surrogate				Surrogate Recovery		Control Limits (%)					
	Bromochloromethane			88				65 - 135			
	Fluorobenzene			94				65 - 135			

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Quality Control Results Summary

QC Batch #: SVOC1001118

Matrix: Solid

Units: µg/Kg

Date Analyzed: 11/18/00

Parameter	Method	Method Blank	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
I,1-Dichloroethane	EPA 8010	ND		20		23.3	LCS	116.5			50.0 - 150.0
Chlorobenzene	EPA 8010	ND		20		24.6	LCS	123.0			50.0 - 150.0
Trichloroethene	EPA 8010	ND		20		22.3	LCS	111.5			50.0 - 150.0
Surrogate			Surrogate Recovery			Control Limits (%)					
	Bromochloromethane			96		65 - 135					
I,1-Dichloroethane	EPA 8010	ND		20		26.9	LCSD	134.5	14.34	25.00	50.0 - 150.0
Chlorobenzene	EPA 8010	ND		20		25.5	LCSD	127.5	3.59	25.00	50.0 - 150.0
Trichloroethene	EPA 8010	ND		20		23.4	LCSD	117.0	4.81	25.00	50.0 - 150.0
Surrogate			Surrogate Recovery			Control Limits (%)					
	Bromochloromethane			98		65 - 135					



Papineau, R.E.A. 791
1723 Fruitvale Avenue, Oakland, California
ES Project 2000-033.01

ATTACHMENT B

EXPLORATORY SOIL BORING LOGS

DRILL RIG: Diedrich D-25		SURFACE ELEVATION: 65 feet		SAMPLE BLOWS/FT	PID READING (PPM)	REMARKS	WELL CONSTRUCTION
BORE HOLE DIAMETER (INCHES): 6							
SOIL DESCRIPTION & CLASSIFICATION							
DEPTH (FEET)	SOIL TYPE						
0	6 inch thick concrete floor slab						
	Dark grayish brown (10 YR 4/2) SILT slightly moist	ML					
5	Very dark grayish brown (10 YR 3/2) clayey sandy SILT, stiff, slightly moist						
	? ↓ increasing clay						
10	Yellowish brown (10 YR 4/4) silty sandy CLAY with trace gravel (poorly-graded), stiff, slightly moist	SC	20			SB5-11.5 no odor	
15	Yellowish brown (10 YR 5/3) silty CLAY highly plastic, stiff, moist	CH	25			SB5-16.5 no odor	
20	? Dark yellowish brown (10 YR 4/3.5) clayey, sandy, GRAVEL (well-graded, sub-angular), very dense, very moist Split spoon sampler refused at 21 feet.	GC	86			SB5-20.5 no odor	
25							

 <p>environmental service by Papineau, R.E.A. 791</p>	EXPLORATORY SOIL BORING LOG		BORING No. SB-5
	PROJECT LOCATION: 1723 Fruitvale Avenue Oakland, CA		
PROJECT No. 2000-033.01	DATE 11-27-2000		

DRILL RIG: Diedrich D-25		SURFACE ELEVATION: 65 feet		DATE DRILLED: 11-14-2000		TEMPORARY SCREEN
BORE HOLE DIAMETER (INCHES): 6				LOGGED BY: MP REVIEWED BY: RMA		
SOIL DESCRIPTION & CLASSIFICATION						
DEPTH (FEET)	SOIL TYPE	SAMPLE	BLOWS/FT	PID READING (PPM)	REMARKS	
0	6 inch thick concrete floor slab					
	Dark grayish brown (10 YR 4/2) SILT slightly moist					
5	Very dark grayish brown (10 YR 3/2) clayey sandy SILT, medium plasticity, very stiff, slightly moist	ML	33		SB6-6.5 no odor	
	?					
10	Dk. yellowish brn (10YR4/4) gravelly fine SAND well-rounded, medium dense, slightly moist	SW	18			
	Yellowish brown (10 YR 4.5/4) silty CLAY, highly plastic, stiff, moist	CH	18		SB6-11.5 no odor	
15	Dark yellowish brown (10 YR 4/4) silty sandy CLAY, highly plastic, stiff, moist	CH	18		SB6-16.5 no odor	
	?					
20	Yellowish brown (10 YR 5/4) clayey, sandy GRAVEL (well-graded), very dense, very moist	GC				
	?					
	Yellowish brown (10 YR 5/4) clayey SAND with trace gravel (well-graded), dense, wet	SP	59		SB6-21.5 no odor	
25	Yellowish brown (10 YR 5/4) sandy CLAY, no gravel, hard, moist	SC	33		SB6-25.5 no odor	



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EXPLORATORY SOIL BORING LOG

PROJECT LOCATION:

1723 Fruitvale Avenue Oakland, CA

BORING No.

SB-6

PROJECT No.
2000-033.01

DATE
11-27-2000



environmental service

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