RP15.

Chevron

September 12, 1994

Chevron U.S.A. Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing – Northwest Region
Phone 510 842 9500

Ms. Jennifer Eberle
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

FILE

Re: Chevron Service Station #9-3600
2200 Telegraph Avenue, Oakland, CA

Dear Ms. Eberle:

Enclosed is the Product-Line Removal Sampling Report dated August 9, 1994, prepared by our consultant Touchstone Developments for the above referenced site.

As indicated in the report, the gasoline product lines were removed and replaced. Soil samples collected beneath the former product piping were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. Laboratory analytical results indicate that concentrations of these constituents were below method detection limits in five of the eight samples analyzed. Negligible concentrations of these constituents were observed in the other three samples. All analytical data is summarized in Tables A through C of the report.

Based on the data collected to date, it appears that hydrocarbon impacts to soils beneath the site are minimal and no further action is warranted.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

cc: Mr.Kevin Graves, RWQCB - Bay Area
Mr. S.A. Willer

File: 9-3600 TD LR1

Touchstone Developments
Environmental Management

PRODUCT-LINE REMOVAL AND SAMPLING REPORT

for

Chevron Station No. 9-3600
2200 Telegraph Avenue
Oakland, California

Prepared for

Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, California 94583

by

Touchstone Developments

August 9, 1994

P.O. Box 2554 • Santa Rosa, CA 95405 • Office: (707) 538-8818 • Fax: (707) 538-8812 • Mobile/Fax: (707) 484-5112

Touchstone Developments
Environmental Management

August 9, 1994

Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, California 94583

Attention: Mark Miller

Reference: Product Line Removal and Sampling Report
Chevron Station No. 9-3600
2200 Telegraph Avenue
Oakland, California

Gentlemen:

INTRODUCTION

This report summarizes the field activities performed at the above referenced location (Figure 1) during the recent removal of product lines associated with the service station operations. Excavation and product piping removal was performed by Town and Country Contractors of Sacramento, California. A Touchstone Developments representative was present to observe the removal and to obtain soil samples from under the lines and associated stockpiles. The soil sampling and analysis described in this report were performed July 25, 1994 to comply with the current State of California Regional Water Quality Control Board guidelines.

SITE DESCRIPTION

The site is currently operated as a Chevron service station on the southwest corner of West Grand Avenue and Telegraph Avenue. The station sells unleaded gasoline products. The site is surrounded by commercial businesses.

FIELD ACTIVITIES

Gasoline product lines were removed from the three Underground Storage Tanks (USTs) to the dispenser islands in order to upgrade and replace them. Soil samples were collected on July 25, 1994 from these product line trenches. Brian Oliva of Alameda County Health Agency, Department of Environmental Health was on site to observe soil sampling activities. Also present were Mark Miller and Belinda Erdelt representing Chevron U.S.A. Products Company.

P.O. Box 2554 • Santa Rosa, CA 95405 • Office: (707) 538-8818 • Fax: (707) 538-8812 • Mobile/Fax: (707) 484-5112

Soil Sampling

Soil samples were collected from the backhoe bucket by removing the top few inches of soil then pushing a clean brass tube (2 inches by 6 inches) into the soil until full. The ends of the tubes were then covered with aluminum foil and sealed with plastic end caps. The sample was then labeled, placed in a cooler with ice, entered on a Chain-of-Custody form and transported to Superior Precision Analytical, a State-Certified Laboratory located in Martinez, California. Product piping samples were designated P-1 through P-8 and collected approximately 4 1/2 to 5 1/2 feet below grade as directed by Brian Oliva (Figure 2).

The stockpile samples were collected by removing the top 6 to 10 inches of soil, then pushing the tube into the soil until full. One sample was collected for approximately every 12 1/2 cubic yards of soil generated then four samples were then composited in the laboratory and analyzed as one to represent approximately every 50 cubic yards. An estimated 100 cubic yards were generated from the product line excavations. Stockpile samples were designated SP-1a-d and SP-2a-d (Figure 2). Stockpiles have been profiled for disposal at Redwood Landfill located in Novato, California. Transportation will be scheduled during August 1994.

ANALYTICAL RESULTS

All samples were analyzed for Total Petroleum Hydrocarbons (TPH) calculated as gasoline according to EPA Method 8015 modified, Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) according to EPA Method 8020. Total Lead according to EPA Method 6010 was requested for P-6 and Organic Lead for SP-1a-d for disposal requirements. Analytical results are summarized on Table A with the sample depths. Copies of the Certified Analytical Reports are attached in Appendix A.

If you have any questions please call me at (707) 538-8818.

Touchstone Developments by,

Jeff L. Monroe
Project Manager

JLM/jlm
Figure 1: Site Plan
Figure 2: Site Plan with Sample Locations
Table A: Analytical Summary
Appendix A: Certified Analytical Reports and COC

TABLES

TABLE A
ANALYTICAL SUMMARY
Results in mg/Kg - parts per million (ppm)

PRODUCT LINE SAMPLING RESULTS

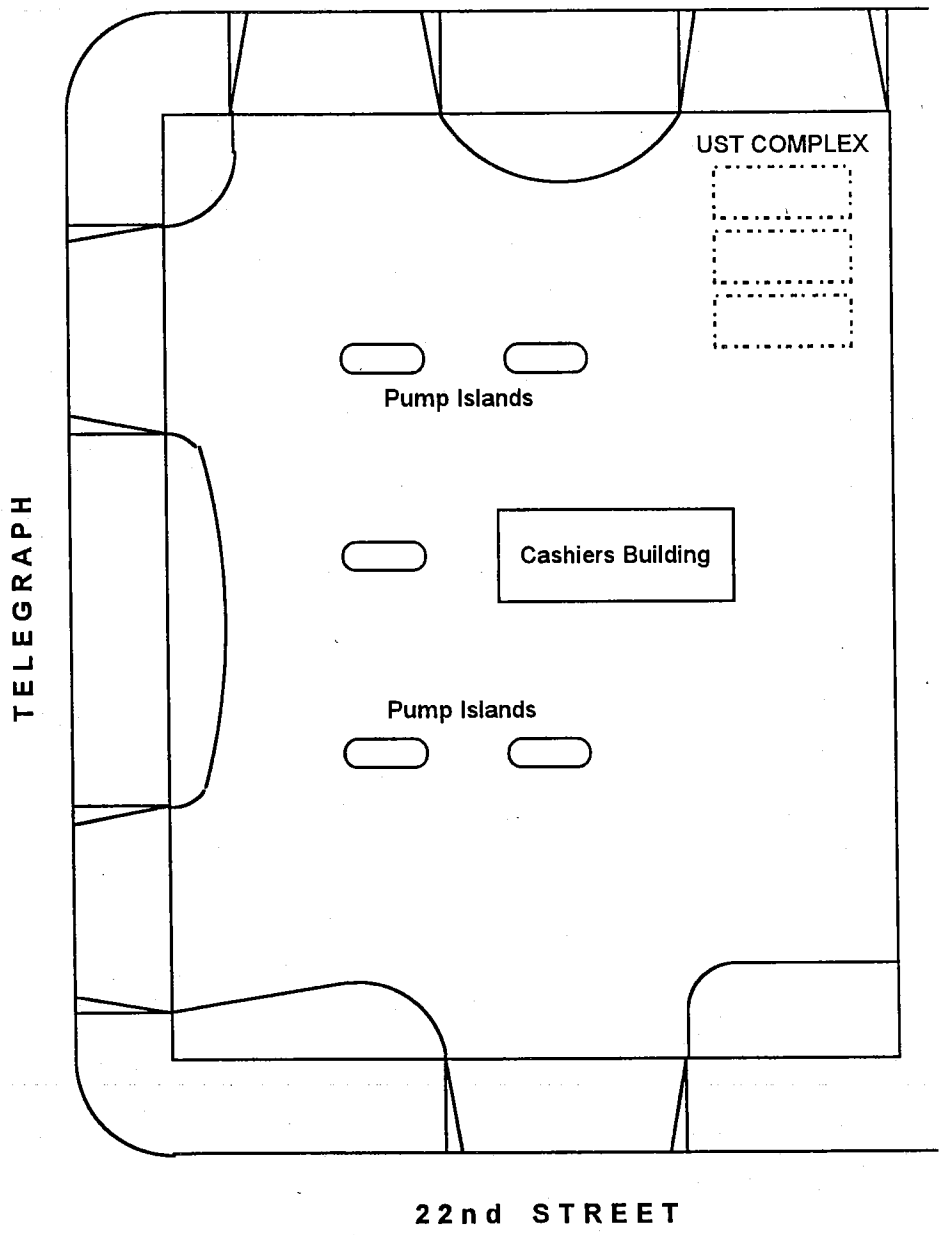
SAMPLE ID	DEPTH (ft.)	LAB	DATE	TPH - Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	TOTAL LEAD
P-1	4.5	Sequoia	25-Jul-94	ND	ND	ND	ND	ND	NA
P-2	4.5	Sequoia	25-Jul-94	ND	ND	ND	ND	ND	NA
P-3	5	Sequoia	25-Jul-94	ND	ND	0.012	0.008	0.045	NA
P-4	5	Sequoia	25-Jul-94	ND	ND	ND	ND	ND	NA
P-5	5	Sequoia	25-Jul-94	ND	ND	ND	ND	ND	NA
P-6	5.5	Sequoia	25-Jul-94	3.6	ND	0.03	0.012	1.3	ND
P-7	5.5	Sequoia	25-Jul-94	ND	ND	0.005	ND	0.007	NA
P-8	5	Sequoia	25-Jul-94	ND	ND	ND	ND	ND	NA

STOCKPILE SAMPLING RESULTS

SAMPLE ID	LAB	DATE	TPH - Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	Organic Lead
SP-1 a-d	Sequoia	25-Jul-94	ND	ND	ND	ND	ND	ND
SP-2 a-d	Sequoia	25-Jul-94	3.2	ND	0.015	0.02	0.13	NA

TPH-Gasoline = Total Petroleum Hydrocarbons calculated as gasoline
TOG = Total Oil & Grease
ND = Not detected at or above the laboratory detection limits.
NA = Analysis not requested.

FIGURES



EXPLANATION

UST Underground Storage Tank

N

0 10 20 30
scale in feet

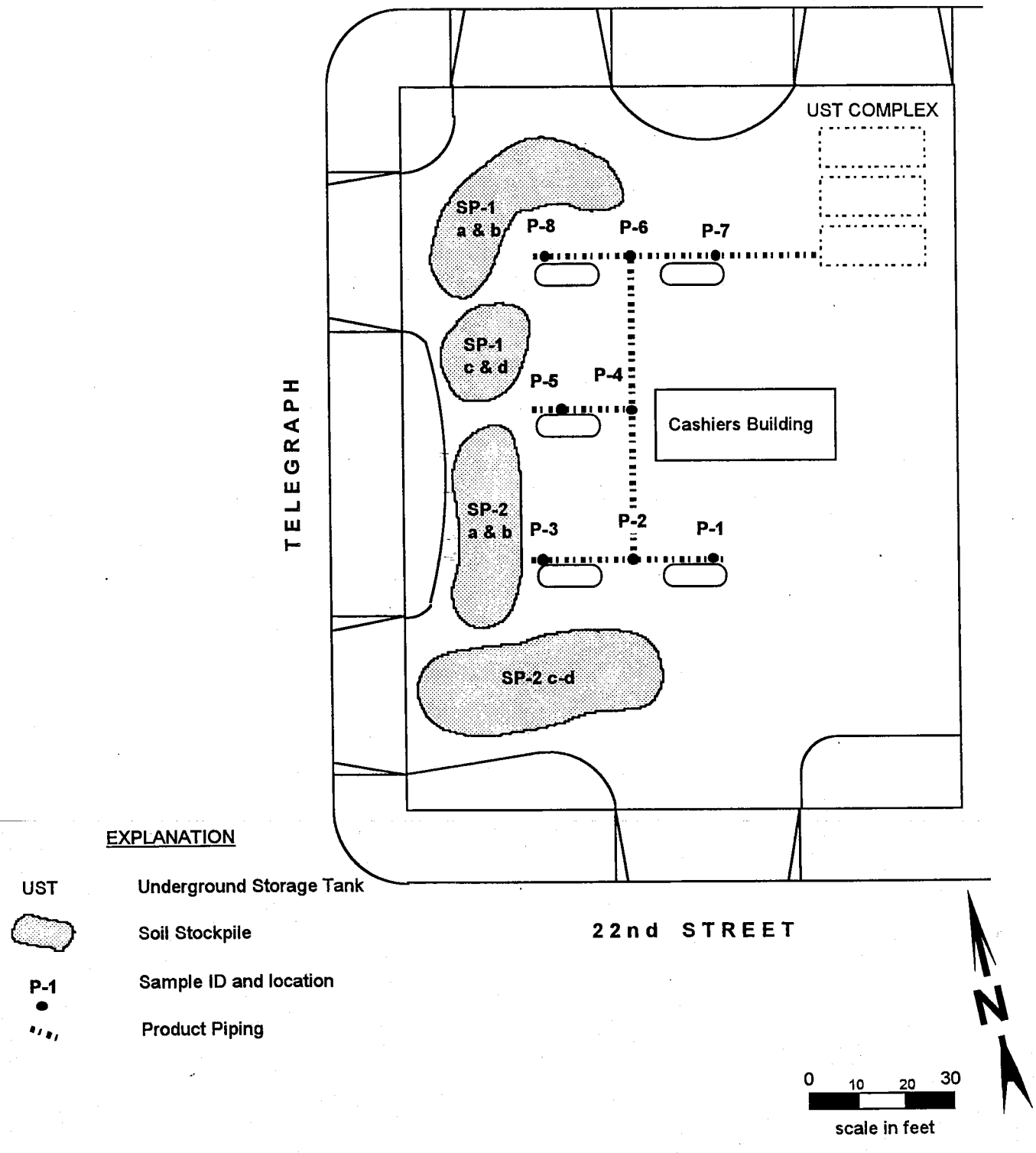
Touchstone Developments
Environmental Management

SITE PLAN

CHEVRON SERVICE STATION # 9-3600
2200 Telegraph Avenue
Oakland, California

FIGURE
1

PROJECT NO.	DATE	DRAWN BY:	BASE MAP:
9-3600	8/94	WTJ	Chevron Site Plan 8/90



Touchstone Developments
Environmental Management

SITE PLAN WITH SAMPLE LOCATIONS

CHEVRON SERVICE STATION # 9-3600
2200 Telegraph Avenue
Oakland, California

FIGURE
2

PROJECT NO.	DATE	DRAWN BY:	BASE MAP:
9-3600	8/94	WTJ	Chevron Site Plan 8/90

APPENDIX A

Chemical Analytical Reports and Chain-of-Custody Forms

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

TOUCHSTONE DEVELOPMENTS
Attn: JEFF MONROE

Project 3600-11
Reported 08/09/94

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
30675- 1	SP-1A-D	07/25/94	08/01/94	Soil
30675- 2	SP-2A-D	07/25/94	08/01/94	Soil
30675- 3	P-1	07/25/94	08/01/94	Soil
30675- 4	P-2	07/25/94	08/01/94	Soil
30675- 5	P-3	07/25/94	08/01/94	Soil
30675- 6	P-4	07/25/94	08/01/94	Soil
30675- 7	P-5	07/25/94	08/01/94	Soil
30675- 8	P-6	07/25/94	08/01/94	Soil
30675- 9	P-7	07/25/94	08/01/94	Soil
30675-10	P-8	07/25/94	08/01/94	Soil

RESULTS OF ANALYSIS

Laboratory Number:	30675- 1	30675- 2	30675- 3	30675- 4	30675- 5
Gasoline:	ND<1	3.2	ND<1	ND<1	ND<1
Benzene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Toluene:	ND<.005	0.015	ND<.005	ND<.005	0.012
Ethyl Benzene:	ND<.005	0.02	ND<.005	ND<.005	0.008
Total Xylenes:	ND<.005	0.13	ND<.005	ND<.005	0.045
Concentration:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

Laboratory Number:	30675- 6	30675- 7	30675- 8	30675- 9	30675-10
Gasoline:	ND<1	ND<1	3.6	ND<1	ND<1
Benzene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Toluene:	ND<.005	ND<.005	0.03	0.005	ND<.005
Ethyl Benzene:	ND<.005	ND<.005	0.012	ND<.005	ND<.005
Total Xylenes:	ND<.005	ND<.005	1.3	0.007	ND<.005
Concentration:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

Certified Laboratories
825 Arnold Dr., Suite 114 ▪ Martinez, California 94553 ▪ (510) 313-0850 / fax (510) 229-1526

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 30675

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = parts per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 1mg/kg

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline:	102/130	24%	70-130
Benzene:	89/94	5%	70-130
Toluene:	103/113	9%	70-130
Ethyl Benzene:	99/106	7%	70-130
Total Xylenes:	112/120	7%	70-130

Senior Chemist

Certified Laboratories
825 Arnold Dr., Suite 114 ▪ Martinez, California 94553 ▪ (510) 313-0850 / fax (510) 229-1526

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

TOUCHSTONE DEVELOPMENTS
Attn: JEFF MONROE

Project 3600-11
Reported 02-August-1994

ANALYSIS FOR TOTAL ORGANIC LEAD
by California LUFT Method

Chronology

Laboratory Number 30675

Identification	Sampled	Received	Extracted	Analyzed	Run #	Lab #
SP-1A-D	07/25/94	07/26/94	07/29/94	07/29/94		1

Certified Laboratories
825 Arnold Dr., Suite 114 ▪ Martinez, California 94553 ▪ (510) 313-0850 / fax (510) 229-1526

TOUCHSTONE DEVELOPMENTS
Attn: JEFF MONROE

Project 3600-11
Reported 02-August-1994

ANALYSIS FOR TOTAL ORGANIC LEAD

Laboratory Number	Sample Identification	Matrix
30675- 1	SP-1A-D	Soil

RESULTS OF ANALYSIS

Laboratory Number: 30675- 1

ORGANIC LEAD:	ND<2
Concentration:	mg/Kg

Certified Laboratories
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Superior Precision Analytical, Inc.
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ANALYSIS FOR TOTAL ORGANIC LEAD
Quality Assurance and Control Data - Soil

Laboratory Number 30675

Compound	Method Blank (mg/Kg)	RL (mg/Kg)	Spike Recovery (%)	Limits (%)	RPD (%)
ORGANIC LEAD:	ND<2	2	83/84	75-125	1%

Definitions:
ND = Not Detected
RPD = Relative Percent Difference
RL = Reporting Limit
mg/Kg = Parts per million (ppm)
QC File No. 30675

Senior Chemist
Account Manager

Certified Laboratories
825 Arnold Dr., Suite 114 ▪ Martinez, California 94553 ▪ (510) 313-0850 / fax (510) 229-1526

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No

30675

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-3600
Facility Address: 2200 Telegraph, Oakland
Consultant Project Number: 3600-11
Consultant Name: Touchstone Developments
Address: PO Box 2554 Santa Rosa CA
Project Contact (Name): Jeff Monroe
(Phone): 7075388818 (Fax Number): 5388812

Chevron Contact (Name): Belinda Eidlett
(Phone): 510 842 9521
Laboratory Name: Superior
Laboratory Release Number: 7669680
Samples Collected by (Name): Jeff Monroe
Collection Date: 7-25-94
Signature: Jeff Monroe

Analyses To Be Performed

	Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	Organic Pb	Total Pb				Remarks
1	SP1a-d		4	S	C	12:35		Yes	X								X					Comp. 4 into 1
2	SP-2a-d		4	↓	C	12:40		↓	↓													5 day TAT
3	P-1		1	↓	D	1:00		↓	↓													
4	P-2		1	↓	↓	1:05		↓	↓													as contracted
5	P-3		↓	↓	↓	1:10		↓	↓													
6	P-4		↓	↓	↓	1:13		↓	↓													
7	P-5		↓	↓	↓	1:16		↓	↓													
8	P-6		↓	↓	↓	1:19		↓	↓									X				
9	P-7		↓	↓	↓	1:25		↓	↓													
10	P-8		↓	↓	↓	1:30		↓	↓													

Please Initial: [illegible]
Samples Stored in Ice: YES
Appropriate containers: YES
Samples preserved: N/A
VOA's without Headspace: N/A
Comments: 16 SAMPLES RECEIVED

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
Jeff Monroe	TD	7-26-94 10:58				24 Hrs.
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	48 Hrs.
						5 Days
Relinquished By (Signature)	Organization	Date/Time	Recieved For Laboratory By (Signature)		Date/Time	10 Days
			[illegible]		[illegible]	(As Contracted)

COC-3.DWG/03 91/HCH

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

TOUCHSTONE DEVELOPMENTS
Attn: JEFF MONROE

Project 3600-11
Reported 09-August-1994

ANALYSIS FOR TOTAL LEAD
by EPA Method SW-846 6010

Chronology

Laboratory Number 30675

Identification	Sampled	Received	Extracted	Analyzed	Run #	Lab #
P-6	07/25/94	07/26/94	07/29/94	08/02/94		8

Certified Laboratories
825 Arnold Dr., Suite 114 ▪ Martinez, California 94553 ▪ (510) 313-0850 / fax (510) 229-1526

TOUCHSTONE DEVELOPMENTS
Attn: JEFF MONROE

Project 3600-11
Reported 09-August-1994

ANALYSIS FOR TOTAL LEAD

Laboratory Number	Sample Identification	Matrix
30675- 8	P-6	Soil

RESULTS OF ANALYSIS

Laboratory Number: 30675- 8

TOTAL LEAD:	8.2
Concentration:	mg/Kg

Certified Laboratories
825 Arnold Dr., Suite 114 ▪ Martinez, California 94553 ▪ (510) 313-0850 / fax (510) 229-1526

ANALYSIS FOR TOTAL LEAD
Quality Assurance and Control Data - Extract

Laboratory Number 30675

Compound	Method Blank (mg/Kg)	RL (mg/Kg)	Spike Recovery (%)	Limits (%)	RPD (%)
TOTAL LEAD:	ND<5	5	100/94	75-125	6%

Definitions:
ND = Not Detected
RPD = Relative Percent Difference
RL = Reporting Limit
mg/Kg = Parts per million (ppm)
QC File No. 30675

Senior Chemist
Account Manager

Certified Laboratories
825 Arnold Dr., Suite 114 ▪ Martinez, California 94553 ▪ (510) 313-0850 / fax (510) 229-1526