

CROSBY & OVERTON, INC.

Environmental Management

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Oakland, California 94621
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3/6/89
ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS

March 6, 1989

Mr. Ray Newsome
Shell Oil Company
P.O. Box 4023
Concord, CA 94524

Dear Mr. Newsome:

Crosby & Overton, Inc. is pleased to submit this report regarding soil sampling at 2724 Castro Valley Blvd. in Castro Valley, California.

On February 16, 1989 two 5,000 gallon and two 8,000 gallon underground gasoline fuel tanks were excavated and removed by Parideso Construction (see figure for tank, island, pipeline and stockpile locations). Upon removal from the excavation the tanks were visually inspected for shell integrity. Tanks #2 and #3 were rusted and pitted, but no obvious holes were observed. A hydrocarbon odor emanated from the excavation.

METHODOLOGY

Under the direction of Larry Seto of the Alameda County Health Agency, Crosby & Overton collected eight samples (one directly below each tank end, approximately 12.5' below ground surface).

A backhoe was utilized for sample procurement. Immediately after the backhoe bucket was brought to the surface, the first several inches of soil on top were scraped away by a clean trowel. A clean four inch long by two inches diameter brass tube was then inserted into the soil in the center of the bucket and extracted. The tube ends were sealed by aluminum foil, plastic cap plugs and wrapped with duct tape. Samples were then placed on ice for transportation to Anametrix, Inc. (a California State certified hazardous materials laboratory) in San Jose, California.

The site was revisited on February 21, 1989, in order to sample the soil beneath two pipelines adjacent to the two islands.

~~Under the direction of Mary Jo Meyers-Barnes, of the Alameda County Health Agency, Crosby & Overton collected five samples from beneath the pipelines. Clean brass tubes were pounded into the soil by a rubber mallet at locations specified by Ms. Meyers-Barnes. Samples were sealed and transported by the same methodology detailed above.~~

CONCLUSIONS AND RECOMMENDATIONS

Samples taken from beneath the four tanks yielded total petroleum hydrocarbons as gasoline (TPH-G) values between non-detectable (<100 ppb) to 620 ppm. Benzene levels ranged from non-detectable (<100 ppb) to 1.4 ppm. Toluene, ethylbenzene and xylene values were all well below Department of Health

Services and the Regional Water Quality Control Board action levels.

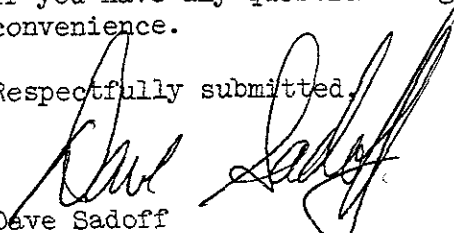
- According to the RWQCB's "Guidelines for Addressing Fuel Leaks", soil contaminated as a result of product loss from an underground storage tank equal to or in excess of 100 ppm TPH constitutes a "confirmed release", and at least one groundwater monitoring well must be installed. Therefore, it is recommended that at least one groundwater monitoring well be placed in the verified downgradient direction, and within ten feet of the excavation.

Following the installation, development and initial sampling of the well, a periodic sampling schedule will likely be mandated by concerned regulatory agencies. Typically, such a schedule would consist of quarterly sampling for a minimum of one year in order to acquire data throughout a full hydrologic cycle.

Although three excavation samples yielded benzene values above regulatory recommended soil cleanup levels, additional pit excavation will not be necessary (per phone conversation between myself and Mary Jo Meyers-Barnes on March 1, 1989) as risk assessment and attenuation factors deem unlikely that known conditions at the site will be viewed as presenting a significant threat to the public health and/or the environment.

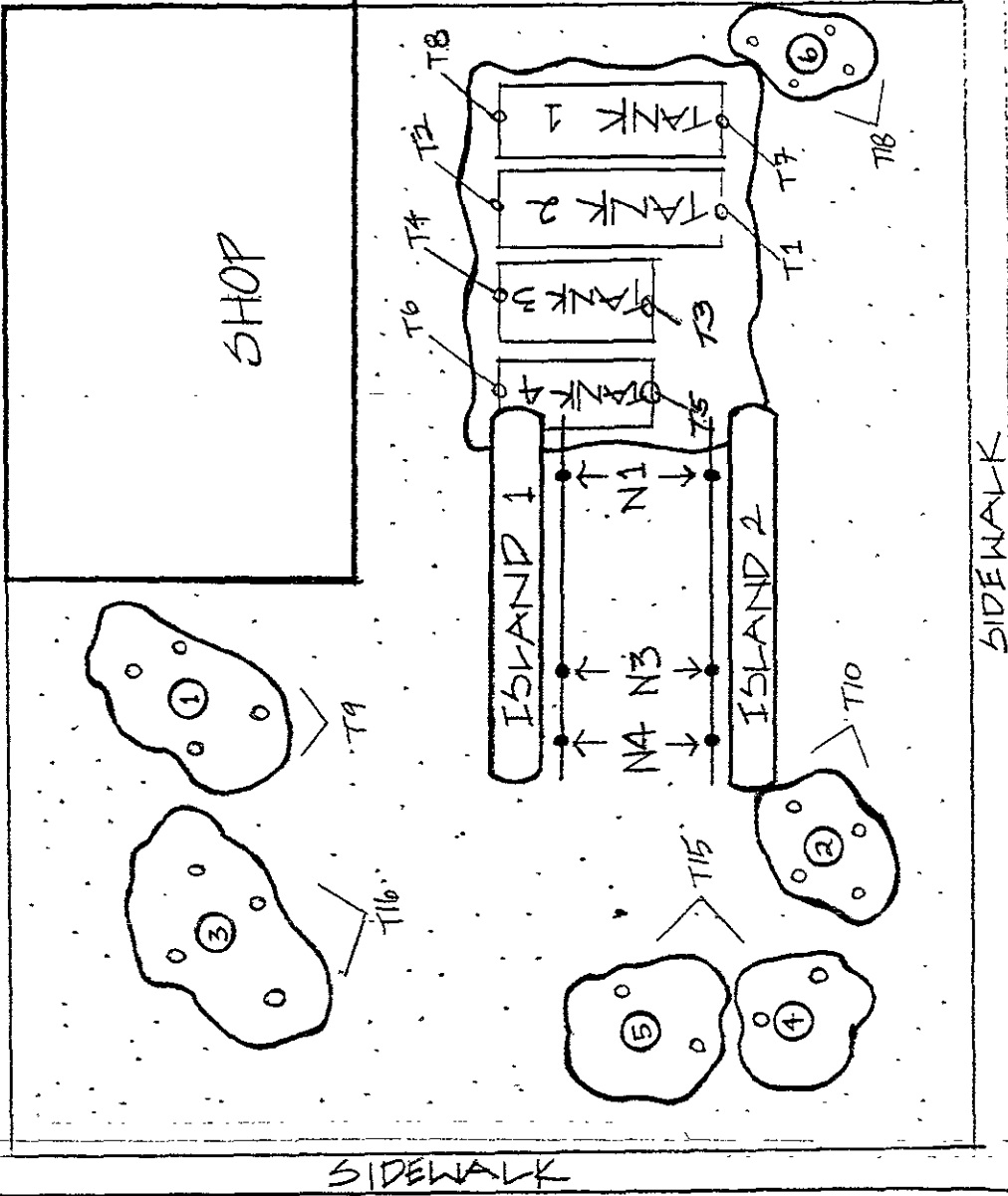
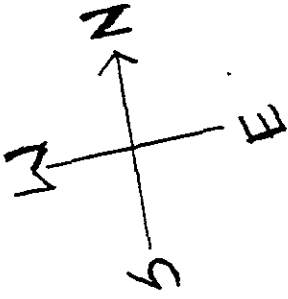
If you have any questions regarding this report, please contact me at your convenience.

Respectfully submitted,


Dave Sadoff
Environmental Geologist

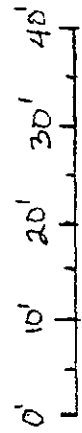
cc: Mary Jo Meyers-Barnes
Lisa McCann

DS/ms



LAKE CHABOT RD

CASTRO VALLEY BLD.



SCALE

SHELL STATION 2724 Castro Valley Blvd

REPORT SUMMARY
ANAMETRIX, INC. (408) 432-8192

Client : Crosby & Overton Environmental
Address : 8430 Amelia Street
City : Oakland, CA 94621
Attn. : Ron Cadiz

Anamatrix W.O.#: 8902121
Date Received : 02/16/89
Purchase Order#: 6632
Project No. : 4125-T
Date Released : 02/21/89

Anamatrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Inst I.D.
RESULTS							
8902121-01	4125-T T-1	SOIL	02/16/89	TPH		02/16/89	N/A
8902121-02	4125-T T-2	SOIL	02/16/89	TPH		02/16/89	N/A
8902121-03	4125-T T-3	SOIL	02/16/89	TPH		02/16/89	N/A
8902121-04	4125-T T-4	SOIL	02/16/89	TPH		02/16/89	N/A
8902121-05	4125-T T-5	SOIL	02/16/89	TPH		02/17/89	N/A
8902121-06	4125-T T-6	SOIL	02/16/89	TPH		02/16/89	N/A
8902121-07	4125-T T-7	SOIL	02/16/89	TPH		02/16/89	N/A
8902121-08	4125-T T-8	SOIL	02/16/89	TPH		02/16/89	N/A
8902121-09	4125-T T-9	SOIL	02/16/89	TPH		02/16/89	N/A
8902121-10	4125-T T-10	SOIL	02/16/89	TPH		02/16/89	N/A

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-1
 Matrix : SOIL
 Date sampled : 02/16/89
 Date anl.TPHg: 02/16/89
 Date ext.TPHd: N/A
 Date anl.TPHd: N/A

Anametrix I.D. : 8902121-01
 Analyst : *aw*
 Supervisor : *FW*
 Date released : 02/21/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	100	1100
108-88-3	Toluene	100	.300
100-41-4	Ethylbenzene	100	.500
1330-20-7	Total Xylenes	100	1200
	TPH as Gasoline	1000	11000

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-2
 Matrix : SOIL
 Date sampled : 02/16/89
 Date anl.TPHg: 02/16/89
 Date ext.TPHd: N/A
 Date anl.TPHd: N/A

Anamatrix I.D. : 8902121-02
 Analyst : *aw*
 Supervisor : *MS*
 Date released : 02/21/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	100	400
108-88-3	Toluene	100	ND
100-41-4	Ethylbenzene	100	200
1330-20-7	Total Xylenes	100	400
	TPH as Gasoline	1000	5000

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-3
 Matrix : SOIL
 Date sampled : 02/16/89
 Date anl.TPHg: 02/16/89
 Date ext.TPHd: N/A
 Date anl.TPHd: N/A

Anametrix I.D. : 8902121-03
 Analyst : *2*
 Supervisor : *JS*
 Date released : 02/21/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	100	ND
108-88-3	Toluene	100	300
100-41-4	Ethylbenzene	100	ND
1330-20-7	Total Xylenes	100	500
	TPH as Gasoline	1000	3000

- ND - Not detected at or above the practical quantitation limit for the method.
 TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
 BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-4
 Matrix : SOIL
 Date sampled : 02/16/89
 Date anl.TPHg: 02/16/89
 Date ext.TPHd: N/A
 Date anl.TPHd: N/A

Anamatrix I.D. : 8902121-04
 Analyst : *[Signature]*
 Supervisor : *[Signature]*
 Date released : 02/21/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	100	1400
108-88-3	Toluene	100	300
100-41-4	Ethylbenzene	100	600
1330-20-7	Total Xylenes	100	600
	TPH as Gasoline	1000	8000

- ND - Not detected at or above the practical quantitation limit for the method.
 TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
 BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-5
 Matrix : SOIL
 Date sampled : 02/16/89
 Date anl.TPHg: 02/17/89
 Date ext.TPHd: N/A
 Date anl.TPHd: N/A

Anamatrix I.D. : 8902121-05
 Analyst : *av*
 Supervisor : *FW*
 Date released : 02/21/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	2000	ND
108-88-3	Toluene	2000	7000
100-41-4	Ethylbenzene	2000	2000
1330-20-7	Total Xylenes	2000	13000
	TPH as Gasoline	20000	620000

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-6
 Matrix : SOIL
 Date sampled : 02/16/89
 Date anl.TPHg: 02/16/89
 Date ext.TPHd: N/A
 Date anl.TPHd: N/A

Anametrix I.D. : 8902121-06
 Analyst : *aw*
 Supervisor : *JH*
 Date released : 02/21/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	100	ND
108-88-3	Toluene	100	ND
100-41-4	Ethylbenzene	100	ND
1330-20-7	Total Xylenes	100	ND
	TPH as Gasoline	1000	ND

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-7
 Matrix : SOIL
 Date sampled : 02/16/89
 Date anl.TPHg: 02/16/89
 Date ext.TPHd: N/A
 Date anl.TPHd: N/A

Anamatrix I.D. : 8902121-07
 Analyst : *aw*
 Supervisor : *FS*
 Date released : 02/21/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	100	ND
108-88-3	Toluene	100	ND
100-41-4	Ethylbenzene	100	ND
1330-20-7	Total Xylenes	100	ND
	TPH as Gasoline	1000	ND

ND - Not detected at or above the practical quantitation limit for the method.

TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-8
 Matrix : SOIL
 Date sampled : 02/16/89
 Date anl.TPHg: 02/16/89
 Date ext.TPHd: N/A
 Date anl.TPHd: N/A

Anametrix I.D. : 8902121-08
 Analyst : *aw*
 Supervisor : *FW*
 Date released : 02/21/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	100	1000
108-88-3	Toluene	100	ND
100-41-4	Ethylbenzene	100	ND
1330-20-7	Total Xylenes	100	ND
	TPH as Gasoline	1000	2000

- ND - Not detected at or above the practical quantitation limit for the method.
 TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
 BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-9 - *Stockpile*
 Matrix : SOIL
 Date sampled : 02/16/89
 Date anl.TPHg: 02/16/89
 Date ext.TPHd: N/A
 Date anl.TPHd: N/A

Anametrix I.D. : 8902121-09
 Analyst : *a*
 Supervisor : *SW*
 Date released : 02/21/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	2000	ND
108-88-3	Toluene	2000	26000
100-41-4	Ethylbenzene	2000	19000
1330-20-7	Total Xylenes	2000	130000
	TPH as Gasoline	20000	1700000

- ND - Not detected at or above the practical quantitation limit for the method.
 TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
 BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-10
Matrix : SOIL
Date sampled : 02/16/89
Date anl.TPHg: 02/16/89
Date ext.TPHd: N/A
Date anl.TPHd: N/A

Anametrix I.D. : 8902121-10
Analyst : *aw*
Supervisor : *Dr*
Date released : 02/21/89
Date ext. TOG : N/A
Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	100	ND
108-88-3	Toluene	100	200
100-41-4	Ethylbenzene	100	100
1330-20-7	Total Xylenes	100	900
	TPH as Gasoline	1000	43000

- ND - Not detected at or above the practical quantitation limit for the method.
TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

REPORT SUMMARY
ANAMETRIX, INC. (408) 432-8192

Client : Crosby & Overton Environmental
Address : 8430 Amelia Street
City : Oakland, CA 94621
Attn. : Ron Cadiz

Anamatrix W.O.#: 0902121
Date Received : 02/16/89
Purchase Order#: 6632
Project No. : 4125-T
Date Released : 02/21/89

Anamatrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Inst I.D.
RESULTS							
8902121-01	4125-T T-1	SOIL	02/16/89	TTLPB		02/17/89	AA1
8902121-02	4125-T T-2	SOIL	02/16/89	TTLPB		02/17/89	AA1
8902121-03	4125-T T-3	SOIL	02/16/89	TTLPB		02/17/89	AA1
8902121-04	4125-T T-4	SOIL	02/16/89	TTLPB		02/17/89	AA1
8902121-05	4125-T T-5	SOIL	02/16/89	TTLPB		02/17/89	AA1
8902121-06	4125-T T-6	SOIL	02/16/89	TTLPB		02/17/89	AA1
8902121-07	4125-T T-7	SOIL	02/16/89	TTLPB		02/17/89	AA1
8902121-08	4125-T T-8	SOIL	02/16/89	TTLPB		02/17/89	AA1
8902121-09	4125-T T-9	SOIL	02/16/89	TTLPB		02/17/89	AA1
8902121-10	4125-T T-10	SOIL	02/16/89	TTLPB		02/17/89	AA1
QUALITY ASSURANCE (QA)							
MB213	METHOD BLANK	SOIL	N/A	TTLPB		02/17/89	AA1

ANALYSIS DATA SHEET - INORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-1
Matrix : SOIL
Date Sampled : 02/16/89
Date Prepared: 02/16/89
Date Analyzed: 02/17/89

Anamatrix ID : 8902121-01
Analyst : MN
Supervisor : SJ
Date released: 02/21/89
Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (mg/kg)	Amount Found (mg/kg)
7421	Total Lead (Pb)	0.1	9.48

ND : Not detected at or above the practical quantitation limit for the limit.

ANALYSIS DATA SHEET - INORGANIC LEAD
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-2
 Matrix : SOIL
 Date Sampled : 02/16/89
 Date Prepared: 02/16/89
 Date Analyzed: 02/17/89

Anamatrix ID : 8902121-02
 Analyst : MN
 Supervisor : JS
 Date released: 02/21/89
 Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (mg/kg)	Amount Found (mg/kg)
7421	Total Lead (Pb)	0.1	6.95

ND : Not detected at or above the practical quantitation limit for the limit.

ANALYSIS DATA SHEET - INORGANIC LEAD
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-3
 Matrix : SOIL
 Date Sampled : 02/16/89
 Date Prepared: 02/16/89
 Date Analyzed: 02/17/89

Anamatrix ID : 8902121-03
 Analyst : MN
 Supervisor : MS
 Date released: 02/21/89
 Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (mg/kg)	Amount Found (mg/kg)
7421	Total Lead (Pb)	0.1	10.1

ND : Not detected at or above the practical quantitation limit for the limit.

ANALYSIS DATA SHEET - INORGANIC LEAD
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-4
 Matrix : SOIL
 Date Sampled : 02/16/89
 Date Prepared: 02/16/89
 Date Analyzed: 02/17/89

Anamatrix ID : 8902121-04
 Analyst : MN
 Supervisor : JS
 Date released: 02/21/89
 Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (mg/kg)	Amount Found (mg/kg)
7421	Total Lead (Pb)	0.1	10.9

ND : Not detected at or above the practical quantitation limit for the limit.

ANALYSIS DATA SHEET - INORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-5
 Matrix : SOIL
 Date Sampled : 02/16/89
 Date Prepared: 02/16/89
 Date Analyzed: 02/17/89

Anamatrix ID : 8902121-05
 Analyst : MW
 Supervisor : JS
 Date released: 02/21/89
 Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (mg/kg)	Amount Found (mg/kg)
7421	Total Lead (Pb)	0.1	7.91

ND : Not detected at or above the practical quantitation limit
for the limit.

ANALYSIS DATA SHEET - INORGANIC LEAD
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-6
 Matrix : SOIL
 Date Sampled : 02/16/89
 Date Prepared: 02/16/89
 Date Analyzed: 02/17/89

Anamatrix ID : 8902121-06
 Analyst : MN
 Supervisor : JMS
 Date released: 02/21/89
 Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (mg/kg)	Amount Found (mg/kg)
7421	Total Lead (Pb)	0.1	9.16

ND : Not detected at or above the practical quantitation limit for the limit.

ANALYSIS DATA SHEET - INORGANIC LEAD
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-7
 Matrix : SOIL
 Date Sampled : 02/16/89
 Date Prepared: 02/16/89
 Date Analyzed: 02/17/89

Anamatrix ID : 8902121-07
 Analyst : MN
 Supervisor : JS
 Date released: 02/21/89
 Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (mg/kg)	Amount Found (mg/kg)
7421	Total Lead (Pb)	0.1	7.68

ND : Not detected at or above the practical quantitation limit for the limit.

ANALYSIS DATA SHEET - INORGANIC LEAD
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-8
 Matrix : SOIL
 Date Sampled : 02/16/89
 Date Prepared: 02/16/89
 Date Analyzed: 02/17/89

Anamatrix ID : 8902121-08
 Analyst : MN
 Supervisor : SJ
 Date released: 02/21/89
 Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (mg/kg)	Amount Found (mg/kg)
7421	Total Lead (Pb)	0.1	7.06

ND : Not detected at or above the practical quantitation limit for the limit.

ANALYSIS DATA SHEET - INORGANIC LEAD
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-9
 Matrix : SOIL
 Date Sampled : 02/16/89
 Date Prepared: 02/16/89
 Date Analyzed: 02/17/89

Anamatrix ID : 8902121-09
 Analyst : MN
 Supervisor : SJ
 Date released: 02/21/89
 Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (mg/kg)	Amount Found (mg/kg)
7421	Total Lead (Pb)	0.1	3.5

ND : Not detected at or above the practical quantitation limit for the limit.

ANALYSIS DATA SHEET - INORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T-10
 Matrix : SOIL
 Date Sampled : 02/16/89
 Date Prepared: 02/16/89
 Date Analyzed: 02/17/89

Anamatrix ID : 8902121-10
 Analyst : MN
 Supervisor : SJ
 Date released: 02/21/89
 Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (mg/kg)	Amount Found (mg/kg)
7421	Total Lead (Pb)	0.1	4.3

ND : Not detected at or above the practical quantitation limit
for the limit.

ANALYSIS DATA SHEET - INORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
Matrix : SOIL
Date Sampled : N/A
Date Prepared: 02/13/89
Date Analyzed: 02/17/89

Anamatrix ID : MB213
Analyst : MN
Supervisor : [Signature]
Date released: 02/21/89
Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (mg/kg)	Amount Found (mg/kg)
7421	Total Lead (Pb)	0.002	0.003

ND : Not detected at or above the practical quantitation limit for the limit.

REPORT SUMMARY
ANAMETRIX, INC. (408) 432-8192

Client : Crosby & Overton Env. Mgmt. Inc. Anamatrix W.O.#: 8902139
 Address : 8430 Amelia Street Date Received : 02/21/89
 City : Oakland, CA 94621 Purchase Order#: 6652
 Attn. : Ron Cadiz Project No. : 4125-T
 Date Released : 02/28/89

Anamatrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Inst I.D.
RESULTS							
8902139-01	4125-T T11	WATER	02/21/89	TPH		02/22/89	N/A
8902139-02	4125-T T12	SOIL	02/21/89	TPH		02/21/89	N/A
8902139-03	4125-T T13	SOIL	02/21/89	TPH		02/22/89	N/A
8902139-04	4125-T T14	SOIL	02/21/89	TPH		02/22/89	N/A
8902139-05	4125-T T15	SOIL	02/21/89	TPH		02/22/89	N/A
8902139-06	4125-T T16	SOIL	02/21/89	TPH		02/22/89	N/A
8902139-07	4125-T T18	SOIL	02/21/89	TPH		02/22/89	N/A
8902139-08	4125-T T20	SOIL	02/21/89	TPH		02/22/89	N/A
8902139-09	4125-T T21	SOIL	02/21/89	TPH		02/22/89	N/A

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T11
Matrix : WATER
Date sampled : 02/21/89
Date anl.TPHg: 02/22/89
Date ext.TPHd: N/A
Date anl.TPHd: N/A

Anametrix I.D. : 8902139-01
Analyst : RK
Supervisor : DJ
Date released : 02/28/89
Date ext. TOG : N/A
Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ppm)	Amount Found (ppm)
71-43-2	Benzene	0.02	0.76
108-88-3	Toluene	0.02	2.0
100-41-4	Ethylbenzene	0.02	0.40
1330-20-7	Total Xylenes	0.04	9.3
	TVH as Gasoline	20	20

- ND - Not detected at or above the practical quantitation limit for the method.
TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T12
 Matrix : SOIL
 Date sampled : 02/21/89
 Date anl.TPHg: 02/21/89
 Date ext.TPHd: N/A
 Date anl.TPHd: N/A

Anamatrix I.D. : 8902139-02
 Analyst : RK
 Supervisor : WJ
 Date released : 02/28/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ppm)	Amount Found (ppm)
71-43-2	Benzene	0.1	0.6
108-88-3	Toluene	0.1	0.3
100-41-4	Ethylbenzene	0.1	0.9
1330-20-7	Total Xylenes	0.1	5.7
	TPH as Gasoline	1	57

ND - Not detected at or above the practical quantitation limit for the method.
 TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
 BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Shell Oil
 2724 Castro Valley Blvd.
 Castro Valley, CA

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T13
 Matrix : SOIL
 Date sampled : 02/21/89
 Date anl.TPHg: 02/22/89
 Date ext.TPHd: N/A
 Date anl.TPHd: N/A

Anametrix I.D. : 8902139-03
 Analyst : RK
 Supervisor : MJ
 Date released : 02/28/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ppm)	Amount Found (ppm)
71-43-2	Benzene	0.1	0.4
108-88-3	Toluene	0.1	0.2
100-41-4	Ethylbenzene	0.1	0.3
1330-20-7	Total Xylenes	0.1	0.4
	TPH as Gasoline	1	23

ND - Not detected at or above the practical quantitation limit for the method.
 TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GC/FID using EPA Method 5030.
 BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Shell Oil
 2724 Castro Valley Blvd.
 Castro Valley, CA

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T14
Matrix : SOIL
Date sampled : 02/21/89
Date anl.TPHg: 02/22/89
Date ext.TPHd: N/A
Date anl.TPHd: N/A

Anametrix I.D. : 8902139-04
Analyst : RK
Supervisor : SJ
Date released : 02/28/89
Date ext. TOG : N/A
Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ppm)	Amount Found (ppm)
71-43-2	Benzene	0.1	0.8
108-88-3	Toluene	0.1	0.4
100-41-4	Ethylbenzene	0.1	0.6
1330-20-7	Total Xylenes	0.1	1.9
	TPH as Gasoline	1	3F

- ND - Not detected at or above the practical quantitation limit for the method.
TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GC/FID using EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T15
Matrix : SOIL
Date sampled : 02/21/89
Date anl.TPHg: 02/22/89
Date ext.TPHd: N/A
Date anl.TPHd: N/A

Anamatrix I.D. : 8902139-05
Analyst : RK
Supervisor : DJ
Date released : 02/28/89
Date ext. TOG : N/A
Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ppm)	Amount Found (ppm)
71-43-2	Benzene	2	6
108-88-3	Toluene	2	48
100-41-4	Ethylbenzene	2	21
1330-20-7	Total Xylenes	2	82
	TPH as Gasoline	20	890

- ND - Not detected at or above the practical quantitation limit for the method.
TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GC/FID using EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T16
Matrix : SOIL
Date sampled : 02/21/89
Date anl.TPHg: 02/22/89
Date ext.TPHd: N/A
Date anl.TPHd: N/A

Anamatrix I.D. : 8902139-06
Analyst : RK
Supervisor : *SW*
Date released : 02/28/89
Date ext. TOG : N/A
Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ppm)	Amount Found (ppm)
71-43-2	Benzene	0.8	ND
108-88-3	Toluene	0.8	3.6
100-41-4	Ethylbenzene	0.8	ND
1330-20-7	Total Xylenes	0.8	7.4
	TPH as Gasoline	8	490

- ND - Not detected at or above the practical quantitation limit for the method.
TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T18
Matrix : SOIL
Date sampled : 02/21/89
Date anl.TPHg: 02/22/89
Date ext.TPHd: N/A
Date anl.TPHd: N/A

Anametrix I.D. : 8902139-07
Analyst : RK
Supervisor : *dmf*
Date released : 02/28/89
Date ext. TOG : N/A
Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ppm)	Amount Found (ppm)
71-43-2	Benzene	0.1	0.7
108-88-3	Toluene	0.1	2.5
100-41-4	Ethylbenzene	0.1	0.7
1330-20-7	Total Xylenes	0.1	4.3
	TPH as Gasoline	1	60

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods,

Shell Oil
2724 Castro Valley Blvd.
Casto Valley, CA

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T20
Matrix : SOIL
Date sampled : 02/21/89
Date anl.TPHg: 02/22/89
Date ext.TPHd: N/A
Date anl.TPHd: N/A

Anametrix I.D. : 8902139-08
Analyst : RK
Supervisor : DJ
Date released : 02/28/89
Date ext. TOG : N/A
Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ppm)	Amount Found (ppm)
71-43-2	Benzene	0.1	ND
108-88-3	Toluene	0.1	ND
100-41-4	Ethylbenzene	0.1	ND
1330-20-7	Total Xylenes	0.1	0.3
	TPH as Gasoline	1	56

ND - Not detected at or above the practical quantitation limit for the method.

TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T21
Matrix : SOIL
Date sampled : 02/21/89
Date anl.TPHg: 02/22/89
Date ext.TPHd: N/A
Date anl.TPHd: N/A

Anametrix I.D. : 8902139-00
Analyst : RK
Supervisor : MJ
Date released : 02/28/89
Date ext. TOG : N/A
Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ppm)	Amount Found (ppm)
71-43-2	Benzene	0.8	4.5
108-88-3	Toluene	0.8	2
100-41-4	Ethylbenzene	0.8	7
1330-20-7	Total Xylenes	0.8	70
	TPH as Gasoline	8	56L

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GC/FID using EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

REPORT SUMMARY
ANAMETRIX, INC. (408) 432-8192

Client	: Crosby & Overton Env. Mgmt. Inc.	Anametrix W.O.#:	0902139
Address	: 8430 Amelia Street	Date Received	: 02/21/89
City	: Oakland, CA 94621	Purchase Order#:	6652
Attn.	: Ron Cadiz	Project No.	: 4125-T
		Date Released	: 02/28/89

Anametrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Fl.
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RESULTS

8902139-02	4125-T T12	SOIL	02/21/89	TTLPB		02/22/89	AA1
8902139-02	4125-T T12	SOIL	02/21/89	ORGPB		02/23/89	AA1
8902139-03	4125-T T13	SOIL	02/21/89	TTLPB		02/22/89	AA1
8902139-03	4125-T T13	SOIL	02/21/89	ORGPB		02/23/89	AA1
8902139-04	4125-T T14	SOIL	02/21/89	TTLPB		02/22/89	AA1
8902139-04	4125-T T14	SOIL	02/21/89	ORGPB		02/23/89	AA1
8902139-05	4125-T T15	SOIL	02/21/89	TTLPB		02/22/89	AA1
8902139-06	4125-T T16	SOIL	02/21/89	TTLPB		02/22/89	AA1
8902139-07	4125-T T18	SOIL	02/21/89	TTLPB		02/22/89	AA1
8902139-08	4125-T T20	SOIL	02/21/89	TTLPB		02/22/89	AA1
8902139-08	4125-T T20	SOIL	02/21/89	ORGPB		02/23/89	AA1
8902139-09	4125-T T21	SOIL	02/21/89	TTLPB		02/22/89	AA1
8902139-09	4125-T T21	SOIL	02/21/89	ORGPB		02/23/89	AA1

QUALITY ASSURANCE (QA)

MBO21389	METHOD BLANK	SOIL	N/A	TTLPB	02/22/89	AA1
OMB022389	METHOD BLANK	SOIL	N/A	ORGPB	02/23/89	AA1

ANALYSIS DATA SHEET - INORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T12
Matrix : SOIL
Date Sampled : 02/21/89
Date Prepared: 02/22/89
Date Analyzed: 02/22/89

Anametrix ID : 89021394
Analyst : MN
Supervisor : P
Date released: 02/28/89
Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (ppm)	Amount Found (ppm)
7421	Total Lead (Pb)	0.1	16.1

ND : Not detected at or above the practical quantitation limit for the limit.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

ANALYSIS DATA SHEET - ORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T12
Matrix : SOIL
Date Sampled : 02/21/89
Date Prepared: 02/23/89
Date Analyzed: 02/23/89

Anametrix ID : 8902139-02
Analyst : MN
Supervisor : KA
Date released: 02/28/89
Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (ppm)	Amount Found (ppm)
LUFT	Organic Lead (Pb)	0.2	ND

ND : Not detected at or above the practical quantitation limit for the limit.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

ANALYSIS DATA SHEET - INORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T13
Matrix : SOIL
Date Sampled : 02/21/89
Date Prepared: 02/22/89
Date Analyzed: 02/22/89

Anamatrix ID : 8902137-009
Analyst : MW
Supervisor : RM
Date released: 02/28/89
Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (ppm)	Amount Found (ppm)
7421	Total Lead (Pb)	0.1	14.1

ND : Not detected at or above the practical quantitation limit for the limit.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

ANALYSIS DATA SHEET - ORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T13
Matrix : SOIL
Date Sampled : 02/21/89
Date Prepared: 02/23/89
Date Analyzed: 02/23/89

Anametrix ID : 8902139-03
Analyst : MW
Supervisor : R ~
Date released: 02/28/89
Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (ppm)	Amount Found (ppm)
LUFT	Organic Lead (Pb)	0.2	ND

ND : Not detected at or above the practical quantitation limit for the limit.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

ANALYSIS DATA SHEET - INORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T14
Matrix : SOIL
Date Sampled : 02/21/89
Date Prepared: 02/22/89
Date Analyzed: 02/22/89

Anamatrix ID : 8902139-04
Analyst : MN
Supervisor : R ^
Date released: 02/28/89
Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (ppm)	Amount Found (ppm)
7421	Total Lead (Pb)	0.1	37.3

ND : Not detected at or above the practical quantitation limit for the limit.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

ANALYSIS DATA SHEET - ORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T14
Matrix : SOIL
Date Sampled : 02/21/89
Date Prepared: 02/23/89
Date Analyzed: 02/23/89

Anamatrix ID : 8902139-04
Analyst : MN
Supervisor : R
Date released: 02/28/89
Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (ppm)	Amount Found (ppm)
LUFT	Organic Lead (Pb)	0.2	ND

ND : Not detected at or above the practical quantitation limit for the limit.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

ANALYSIS DATA SHEET - INORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T15
Matrix : SOIL
Date Sampled : 02/21/89
Date Prepared: 02/22/89
Date Analyzed: 02/22/89

Anametrix ID : 8902139-05
Analyst : MWJ
Supervisor : RM
Date released: 02/28/89
Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (ppm)	Amount Found (ppm)
7421	Total Lead (Pb)	0.1	4.23

ND : Not detected at or above the practical quantitation limit for the limit.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

ANALYSIS DATA SHEET - INORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Anamatrix ID : 8902139-03
Analyst : MN
Supervisor :
Date released: 02/28/89
Instrument ID: AA1

Sample I.D. : 4125-T T16
Matrix : SOIL
Date Sampled : 02/21/89
Date Prepared: 02/22/89
Date Analyzed: 02/22/89

METHOD NO.	COMPOUNDS	Detection Limit (ppm)	Amount Found (ppm)
7421	Total Lead (Pb)	0.1	11.

ND : Not detected at or above the practical quantitation limit for the limit.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

MAR 06 '89 16:58 ANAMETRIX INC 408 432 8198

ANALYSIS DATA SHEET - INORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T18
Matrix : SOIL
Date Sampled : 02/21/89
Date Prepared: 02/22/89
Date Analyzed: 02/22/89

Anametrix ID : 8902139-07
Analyst : MN
Supervisor : R
Date released: 02/28/89
Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (ppm)	Amount Found (ppm)
7421	Total Lead (Pb)	0.1	3.36

ND : Not detected at or above the practical quantitation limit for the limit.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

ANALYSIS DATA SHEET - INORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T20
Matrix : SOIL
Date Sampled : 02/21/89
Date Prepared: 02/22/89
Date Analyzed: 02/22/89

Anametrix ID : 8902139-
Analyst : MW
Supervisor :
Date released: 02/28/89
Instrument ID: AAL

METHOD NO.	COMPOUNDS	Detection Limit (ppm)	Amount Found (ppm)
7421	Total Lead (Pb)	0.1	23.3

ND : Not detected at or above the practical quantitation limit for the limit.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

ANALYSIS DATA SHEET - ORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4125-T T21
Matrix : SOIL
Date Sampled : 02/21/89
Date Prepared: 02/23/89
Date Analyzed: 02/23/89

Anamatrix ID : 8902139-09
Analyst : MN
Supervisor : RA
Date released: 02/28/89
Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (ppm)	Amount Found (ppm)
LUFT	Organic Lead (Pb)	0.2	ND

ND : Not detected at or above the practical quantitation limit for the limit.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

MAR 05 '89 16:59 ANAMETRIX INC 408 432 8198

ANALYSIS DATA SHEET - INORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
Matrix : SOIL
Date Sampled : N/A
Date Prepared: 02/13/89
Date Analyzed: 02/22/89

Anamatrix ID : MB021389
Analyst : MN
Supervisor : R
Date released: 02/28/89
Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (ppm)	Amount Found (ppm)
7421	Total Lead (Pb)	0.1	ND

ND : Not detected at or above the practical quantitation limit for the limit.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, Ca

ANALYSIS DATA SHEET - ORGANIC LEAD
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
Matrix : SOIL
Date Sampled : N/A
Date Prepared: 02/23/89
Date Analyzed: 02/23/89

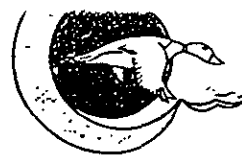
Anamatrix ID : OMB022389
Analyst : MN
Supervisor : R~
Date released: 02/28/89
Instrument ID: AA1

METHOD NO.	COMPOUNDS	Detection Limit (ppm)	Amount Found (ppm)
LUFT	Organic Lead (Pb)	0.2	ND

ND : Not detected at or above the practical quantitation limit for the limit.

Shell Oil
2724 Castro Valley Blvd.
Castro Valley, CA

SECURITY: ~~48 HOUR~~
24 HOUR



CROSBY & OVERTON
Environmental Management Inc.
8430 Amelia Street • Oakland, California 94621
(415) 633-0336

CROSBY & OVERTON ENVIRONMENTAL MANAGEMENT, INC.
SAMPLE ANALYSIS REQUEST

FIELD SECTION: _____ JOB#: 4125-T P.O.#: 6632

COLLECTOR: D. SADOFF DATE SAMPLED: 2/16/89 TIME: _____ HOURS

LOCATION OF SAMPLING: SHELL OIL CO. NAME OF COMPANY, DISPOSAL SITE, ETC.

ADDRESS: 2724 CASTRO VALLEY BLVD., CASTRO VALLEY, CA. NUMBER STREET CITY STATE ZIP

TELEPHONE: () COMPANY CONTACT: _____

SAMPLE NO.	4125-T1	4125-T2	4125-T3	4125-T4	4125-T5	4125-T6
TYPE OF SAMPLE	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
LOCATION OF SAMPLE	TANK 1 E	TANK 1 W	TANK 2 E	TANK 2 W	TANK 3 E	TANK 3 W
ANALYZE FOR	TPH (8015) BTXE (8020) PB (7421)	"	"	"	"	"
ANALYSIS:						

LABORATORY SECTION: _____

RECEIVED BY: _____ TITLE: _____ DATE: _____

SAMPLE ALLOCATION: _____ DATE: _____

RESULTS:					

CHAIN OF CUSTODY:
SIGNATURE: *Dave Sadoff*

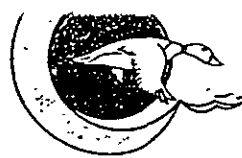
AGENCY/ORGANIZATION: LHO

INCLUSIVE DATES: 2/16/89 15:30

John Mendonca

2/16/89 15:30

PRIORITY: 9570010 - T7, T8



CROSBY & OVERTON
Environmental Management Inc.
8430 Amelia Street • Oakland, California 94621
(415) 633-0336

24 HOUR
T9, T10

CROSBY & OVERTON ENVIRONMENTAL MANAGEMENT, INC.
SAMPLE ANALYSIS REQUEST

FIELD SECTION: _____ JOB#: 4125-T P.O.#: 6632

COLLECTOR: D. SADOFF DATE SAMPLED: 2/16/89 TIME: _____ HOURS: _____

LOCATION OF SAMPLING: SHELL OIL CO. NAME OF COMPANY, DISPOSAL SITE, ETC.

ADDRESS: 2724 LASTRO VALLEY BLVD. NUMBER STREET CITY STATE ZIP

TELEPHONE: () COMPANY CONTACT: _____

SAMPLE NO.	<u>4125-T7</u>	<u>4125-T8</u>		<u>4125-T9</u>	<u>4125-T10</u>
TYPE OF SAMPLE	<u>TANK SOIL</u>	<u>SOIL</u>		<u>COMPOSITE SOIL</u>	<u>SOIL</u>
LOCATION SAMPLE	<u>TANK 4 E</u>	<u>TANK 4 W</u>		<u>COMPOSITE PILE # 1</u>	<u>COMPOSITE PILE # 2</u>
ANALYZE FOR	<u>TPH-6 BTXE</u>	<u>TPH-6 BTXE</u>		<u>"</u>	<u>"</u>
ANALYSIS:	<u>Pb</u>	<u>Pb</u>			

LABORATORY SECTION: _____

RECEIVED BY: _____ TITLE: _____ DATE: _____

SAMPLE ALLOCATION: _____ DATE: _____

RESULTS:

CHAIN OF CUSTODY:
SIGNATURE: [Signature]

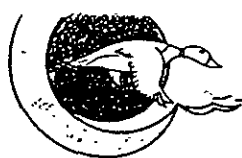
AGENCY/ORGANIZATION: CHO

INCLUSIVE DATES: 2/16/89 15:30

[Signature]

2/16/89 15:30

SECURITY: 24 HOUR



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Environmental Management Inc.
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CROSBY & OVERTON ENVIRONMENTAL MANAGEMENT, INC.
SAMPLE ANALYSIS REQUEST

FIELD SECTION: _____ JOB#: 4128-T₁ P.O.#: 6652
COLLECTOR: R SADOFF DATE SAMPLED: 2/21/89 TIME: 1500-1600 HOURS
LOCATION OF SAMPLING: _____ NAME OF COMPANY, DISPOSAL SITE, ETC.
ADDRESS: 2724 CASTRO VALLEY BLVD, CASTRO VALLEY
NUMBER STREET CITY STATE ZIP
TELEPHONE: () _____ COMPANY CONTACT: _____

SAMPLE NO.	4128-T11	-T12	-T13	-T14	-TR5	-T16
TYPE OF SAMPLE	AQUEOUS	SOIL	SOIL	SOIL	SOIL	SOIL
LOCATION OF SAMPLE	PIT BOTTOM 125 PSS	LINE 1 N-1	LINE 4 N-4	LINE 7 N-3	COMPOSITE PILES 415	COMPOSITE PILE 3
ANALYZE FOR	BTXE TPH-6 PB					
ANALYSIS:						

LABORATORY SECTION:
RECEIVED BY: _____ TITLE: _____ DATE: _____
SAMPLE ALLOCATION: _____ DATE: _____

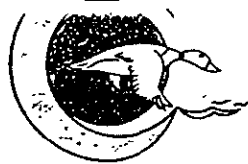
RESULTS:

CHAIN OF CUSTODY:
SIGNATURE: [Signature]
[Signature]

AGENCY/ORGANIZATION
C/O, INC.

INCLUSIVE DATES
16928 2/21/89
16928 2/21/89

AVAILABILITY: 24 HOUR



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Environmental Management Inc.
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(415) 633-0336

CROSBY & OVERTON ENVIRONMENTAL MANAGEMENT, INC.
SAMPLE ANALYSIS REQUEST

FIELD SECTION:

JOB#: 4125-T

P.O.#: 6652

COLLECTOR: D. SADOFF

DATE SAMPLED: 2/21/89

TIME: 1500-1600 HOURS

LOCATION OF SAMPLING: SHELL OIL CO.
NAME OF COMPANY, DISPOSAL SITE, ETC.

ADDRESS: 2724 CASTRO VALLEY BLVD., CASTRO VALLEY
NUMBER STREET CITY STATE ZIP

TELEPHONE: () COMPANY CONTACT:

SAMPLE NO:	<u>4125-T17</u>	<u>-T18</u>	<u>T-19</u>	<u>T-20</u>	<u>T-21</u>
TYPE OF SAMPLE		<u>SOIL</u>		<u>SOIL</u>	<u>SOIL</u>
LOCATION SAMPLE		<u>COMPOSITE PILE 6</u>	<u>LINE-2 N-1</u>	<u>LINE 2 N-3</u>	<u>LINE 2 N-4</u>
ANALYZE FOR		<u>TPH-G PAXE PB</u>			
ANALYSIS:					

LABORATORY SECTION:

RECEIVED BY: TITLE: DATE:

SAMPLE ALLOCATION: DATE:

RESULTS:					

CHAIN OF CUSTODY:
SIGNATURE
D. Sadoff
J. J. Hernandez

AGENCY/ORGANIZATION
C/O INC.

INCLUSIVE DATES
16:28 2/21/89
16:28 2/21/89