



DATE	1/17/91	JOB NO	G20200
ATTENTION	Ms. Cynthia Chapman		
RE	98th Ave. & Edes Ave. - contaminated soil site cleanup		

TO Alameda County Health Care Services Agency
60 Swan Way, Room 200
Oakland, CA 94621

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:

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1	12/13/90		Progress Report for 98th & Edes Avenues, Oakland

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REMARKS

Please review the enclosed report prepared by
Subsurface Consultants, Inc. for the City of Oakland.

Please contact me, Darryl Lau, at 273-3057 if you have
any questions.

91 JAN 22 PM 12:57
 238-3057

COPY TO File

SIGNED: Darryl Lau Construction Division

PROGRESS REPORT
CONTAMINATED SOIL REMOVAL
UTILITY TRENCH ALIGNMENT
98TH AND EDES AVENUES
OAKLAND, CALIFORNIA
SCI 272.016

Dec 13, 1990

Prepared for:

Mr. Dan Lau
Construction
City of Oakland
7101 Edgewater Drive
Oakland, California 94621

by:



William K. Wikander
Geotechnical Engineer 892 (expires 12/31/92)



R. William Rudolph
Geotechnical Engineer 741 (expires 12/31/92)



Subsurface Consultants, Inc.
171 12th Street, Suite 201
Oakland, California 94607
(415) 268-0461

December 13, 1990

I INTRODUCTION

This report records results of contaminated soil removal activities within the alignment of the proposed joint utility trench in front of two former gasoline stations at 670 and 692 98th Avenue in Oakland, California. The project is located near the intersection of 98th and Edes Avenues, as shown on the Site Plan, Plate 1. Subsurface Consultants, Inc. (SCI) prepared a Work Plan, and a Guideline Health and Safety Plan for the project, both dated June 29, 1990. We previously performed Phase 1 and 2 soil and groundwater contamination investigations for the site, and presented the results in reports dated July 29, 1989 and April 10, 1990.

II BACKGROUND

The City of Oakland is currently widening 98th Avenue. In April 1989, workers encountered contaminated soil while excavating utility trenches. Work on a 130 foot-long section of joint utility trench across the area was halted, pending remediation of the contaminated soil. Completion of the 98th Avenue widening project was predicated on installation of this joint utility trench.

SCI's research has indicated that 670-98th Avenue was occupied by a Union 76 service station from about 1947 through 1983. The service station had underground storage tanks that reportedly stored gasoline and waste oil. The service station and tanks were

removed in 1983. In addition, 692-98th Avenue was occupied by a Richfield service station from 1947 through 1962. Four 1000-gallon underground storage tanks were removed from the site in 1970. The tank location(s) and type(s) of material they stored is currently unknown.

To date, SCI has obtained soil and groundwater samples from 26 test borings and 6 groundwater monitoring wells in the area. Analytical tests of the soil and groundwater samples indicated that they contained gasoline (detected as total volatile hydrocarbons and as total extractable hydrocarbons); and benzene, toluene, xylenes and ethylbenzene (BTXE). The groundwater samples also contained a number of solvents (detected as purgeable halocarbons).

The analytical test results indicated that the greatest concentrations of soil contaminants were located near the former tank locations, and within about two feet of the groundwater level. The extent of soil and groundwater contamination downgradient from the former tanks was unknown. No soil contamination due to solvents was encountered. The source of solvent contamination in the groundwater appeared to be from a source upgradient (and off premises) from the former tank locations.

In the June 29, 1990 Work Plan, we stated that the contaminated area was large and the hydrogeology was relatively complex. Additional study was necessary before determining the most appropriate final remediation method. In the interim, the City of Oakland would remediate the contaminated soil in the vicinity of the planned joint trench to allow completion of the

98th Avenue widening project. The area to be remediated was to include soil within about 5 feet of the joint trench centerline, and the former Union 76 station fuel tank excavations. The excavation was to extend to groundwater and to the bottom of the former tank excavation backfill. In addition, the interim remediation was to include all soil with petroleum hydrocarbon concentrations greater than 1000 parts per million (ppm) and at least two feet above the groundwater level during excavation. The remediation method was to include excavation, on-site treatment of the contaminated materials by aeration, and transport to appropriate disposal facilities.

III INTERIM REMEDIATION SUMMARY

The soil removal, aeration, transportation and disposal was performed by International Technology (IT) Corporation. Representatives from the City of Oakland were on-site to observe the operations. SCI served as a consultant to the City and obtained samples for analytical testing. Descriptions of soil and water sampling and analytical testing are presented in Appendix A. Analytical testing was performed by Eureka Laboratories, Inc., GTEL Environmental Laboratories, Inc. and Curtis & Tompkins, Ltd., all are California Department of Health Services (DHS) certified laboratories for the tests performed. Groundwater encountered within the excavation was removed and transported from the site by H&H Ship Service. About 1200 cubic yards (cy) of material were

removed from the excavation. All of the material was transported to Class III landfills (the Durham Road Landfill in Fremont and the Browning-Ferris Industries (BFI) Landfill in Livermore). The excavations were then backfilled with imported soil from the Gallagher and Burk quarry in Oakland, and compacted. City of Oakland personnel observed backfilling operations and tested fill suitability and compaction.

In this report, soil volumes are expressed as in-place cubic yards, i.e. the volume of the soil prior to excavation. The soil volumes listed on the non-hazardous waste manifests shown in Appendix B are expressed as loose cubic yards, the volume of soil after excavation.

IV SOIL EXCAVATION AND BACKFILL

Soil was removed to at least 5 feet beyond the proposed joint trench centerline and the former tank excavations. The soil removal extended to groundwater beneath the proposed joint trench, and to native soil, at the former tank excavations. The excavation depth ranged from about 10 to 13 feet. Soil samples were taken from the sides and bottom of the excavation and analytically tested to determine if and where additional excavation of contaminated soil was necessary. The sample locations within the excavation are shown on the Site Plan. Analytical testing during excavation was performed in a mobile laboratory on-site. The results of these analytical tests are presented in the Appendix and summarized in

Table 1. Additional soil was removed where 1) the analytical tests indicated that the total petroleum hydrocarbon concentration was greater than 1000 ppm, and 2) the soil was greater than 2 feet above the groundwater level during remediation. Accordingly, the excavation was extended toward Edes Avenue, adjacent to the former tank excavation. A soil sample was then taken from the side of the excavation and analytically tested. The results are presented in the Appendix and summarized in Table 1.

Table 1. Summary of Analytical Test Results
For Soil Samples from the Excavation
Side Walls and Bottom

<u>Sample</u>	<u>Total Volatile Hydrocarbons (ppm)¹</u>	<u>Location</u>
SW-1 @ 9'	ND ²	Side wall
SW-2 @ 12'	81	Side wall
SW-3 @ 10'	430	Side wall
SW-4 @ 9'	210	Side wall
NW-1 @ 9'	ND	Side wall
NW-2 @ 10'	260	Side wall
NW-3 @ 9'	420	Side wall
NW-4 @ 9'	50	Side wall
NW-5 @ 9'	83	Side wall
WW-1 @ 9'	2,000	Side wall, more soil excavated
WW-2 @ 9'	140	Side wall, retest of WW-1 @ 9'
B-1 @ 10'	790	Bottom
B-2 @ 13.5'	1,700	Bottom
B-3 @ 10'	1,400	Bottom
B-4 @ 10.5'	2,100	Bottom

¹ Parts per million (mg/kg)

² None detected, see test data sheets in the Appendix for
detection limits

Free water was encountered where the excavation extended below the groundwater level. A slight sheen was observed on the water surface upon excavation; it was not evident several days later. Samples of the water were taken from each former tank site. The analytical results are presented in Appendix B and summarized in Table 2.

Table 2 - Summary of Analytical Test Results of Groundwater Samples from the Excavation

Sample	TVH ¹ (ppm) ³	TEH ² (ppm)	Benzene (ppb) ⁴	Toluene (ppb)	Xylenes (ppb)	Ethyl- benzene (ppb)
EXC#1 ⁶	30	2.4	730	800	4,200	ND ⁵
EXC#2 ⁷	170	ND	9,700	20,000	14,000	3,100

¹ Total volatile hydrocarbons

² Total extractable hydrocarbons

³ Parts per million (mg/kg)

⁴ Parts per billion (ug/kg)

⁵ None detected, see test data sheets in the Appendix for detection limits

⁶ From east former tank site

⁷ From west former tank site

The water in the excavations was pumped out by vacuum truck to the lowest possible level. The removed material was transported under manifest to a recycling facility. Copies of the manifests are presented in Appendix B.

The loose soil was removed from the excavation bottom. The excavation was then backfilled with 3/4-inch diameter gravel to

within about 5 feet of subgrade. Afterward, the joint trench utilities were installed. City of Oakland personnel observed backfill operations and performed field density tests to check fill compaction.

V SOIL DISPOSAL, AERATION AND STORAGE

The excavated soils were stockpiled in a separate area, and covered with polyethylene sheeting. Samples of the contaminated soils were obtained and composited (4 samples per 50 cy) in accordance with requirements of the Bay Area Air Quality Management District (BAAQMD). The composited samples were then analytically tested to determine their concentrations of gasoline (the petroleum constituent which is mostly easily remediated by aeration). The test results indicated that the greatest concentrations were measured within the gasoline range using the test for total extractable hydrocarbons. This indicated that the gasoline was likely to be relatively old. Diesel was also encountered in some of the stockpiles. The analytical test reports for the stockpiled soils before aeration are presented in Appendix B, and summarized in Table 3.

Table 3. Summary of Analytical Tests of Stockpiled Soil Prior to Aeration or Disposal

Sample ⁵	Petroleum Hydrocarbons ¹ (ppm) ²			Purgeable Aromatics ³ (ppb) ⁴				Lead (ppm)	
	TVH	TEHG	TEHD	B	T	X	E	Total	Soil
SP1-8	ND ⁶	ND	ND	ND	ND	ND	ND	12	0.16
SP10-13	200	670	110	- ⁷	-	-	-	-	-
SP14-17	1800	2900	ND	-	-	-	-	-	-
SP18-21	960	2000	ND	-	-	-	-	-	-
SP22-25	40	390	130	-	-	-	-	-	-
SP26-29	14	17	ND	-	-	-	-	-	-
SP9.32-38	ND	ND	ND	ND	ND	ND	ND	22	0.38
SP39-44	ND	ND	ND	ND	ND	5.6	ND	19	0.44
SP45-48	640	1400	ND	-	-	-	-	-	-
SP49-52	8.3	140	ND	-	-	-	-	-	-
SP53-56	86	260	60	-	-	-	-	-	-
SP57-60	230	480	110	-	-	-	-	-	-
SP61-64	1600	2500	ND	-	-	-	-	-	-
SP65-67	1800	3100	230	-	-	-	-	-	-
SP68-71	4400	-	-	6000	120000	510000	97000	-	-
SP72-75	430	-	-	120	3200	28000	4500	-	-
SP76-79	280	-	-	200	3000	18000	3000	-	-
SP80-82	8.7	-	-	ND	8	140	16	-	-
SP83-86	-	264	29	-	-	-	-	-	-
SP87-90, 99-102	-	25	58	ND	ND	2	ND	34.1	ND
SP91-94	-	86	ND	-	-	-	-	-	-
SP95-98	-	886	71	-	-	-	-	-	-
SP103-106	-	1320	ND	-	-	-	-	-	-

- 1 TVH: Total volatile hydrocarbons as gasoline, TEHG: Total extractable hydrocarbons in the gasoline range, TEHD: Total extractable hydrocarbons in the diesel and oil
- 2 ppm = parts per million (mg/kg)
- 3 B: Benzene, T: Toluene, X: Total xylenes, E: Ethylbenzene
- 4 ppb = parts per billion (ug/kg)
- 5 Sample composite, stockpiles of samples shown in **BOLD** were disposed at the Durham Road Landfill
- 6 None detected, see test data sheets in the Appendix for detection limits
- 7 Not tested

The analytical results indicated that about 300 cy of soil had petroleum hydrocarbon concentrations that were acceptable for disposal at the Durham Road Landfill (a Class III facility). This soil was again analytically tested for BTXE and total and soluble lead, and found to have concentrations that were within acceptable limits. This soil was subsequently disposed of; a copy of the landfill receipt is presented in Appendix B.

Approximately 900 cy of soil had petroleum hydrocarbon concentrations ranging from 140 to 3100 ppm. Without remediation, this material was not suitable for disposal at the Durham Road or BFI landfills. The soils were aerated according to rates required by the BAAQMD. During aeration, the soil was spread in thin layers and turned frequently, until organic vapor meter (OVM) readings indicated that most of the gasoline had volatilized. A description of the method used to obtain the organic vapor readings is presented in Appendix A. The aerated soils were analytically tested for petroleum hydrocarbons, BTXE, and total and soluble lead. The analytical test reports for the post aeration soils are presented in Appendix B and summarized in Table 4. The analytical test results indicated that most of the soil contained gasoline at concentrations above 100 ppm, and would require additional aeration.

In order to facilitate for completion of the 98th Avenue widening project, the 900 cy of soil from 670 and 692-98th Avenue was transported to a second temporary stockpile area near the intersection of 98th Avenue and San Leandro Street. This area

already contained 50 cy stockpile of soil from 816-98th Avenue. Analytical test reports for the stockpiled materials from 816-98th Avenue are presented in Appendix B and summarized in Table 4. The stockpile area is shown on Plate 3, Second Temporary Stockpile Locations.

Table 4. Summary of Analytical Test Results of Stockpiled Soil After Aeration

Sample ⁵	Petroleum Hydrocarbons ¹ (ppm) ²			Purgeable Aromatics ³ (ppb) ⁴				Lead (ppm)	
	TVH	TEHG	TEHD	B	T	X	E	Total	Sol.
PA1-8	- ⁶	53	84	5	39	314	14	17.6	0.6
PA10-16	-	73	95	3	50	389	18	19.3	0.59
PA17-24	-	29	101	4	11	529	10	16.5	0.6
PA25-32	-	13	ND ⁷	4	13	69	11	13.8	ND
PA33-40	-	34	104	4	22	261	17	18.6	0.27
PA41-48	-	135	116	ND	ND	501	4	26.8	0.7
PA49-56	-	102	154	4	6	136	3	37.1	0.7
PA57-64	-	140	141	31	61	1530	54	54.6	0.5
PA65-72	-	234	177	11	27	539	13	21.8	0.7
PA73-77	-	145	429	11	32	500	19	39.1	0.94
SPA-D ⁸	ND	ND	ND ⁹	ND	ND	ND	ND	17	0.68

1 TVH: Total volatile hydrocarbons as gasoline, TEHG: Total extractable hydrocarbons in the gasoline range, TEHD: Total extractable hydrocarbons in the diesel and oil range

2 Parts per million (mg/kg)

3 B: Benzene, T: Toluene, X: Total xylenes, E: Ethylbenzene

4 Parts per billion (ug/kg)

5 Sample composite, stockpile of samples shown in **BOLD** was disposed at the Durham Road Landfill

6 Not tested

7 None detected

8 From stockpile of soil from 816 98th Avenue

9 None detected for total oil and grease

It was judged that transporting the soil from the first to the second temporary stockpile locations would result in significant reductions in the TVH concentrations by aeration. To confirm this,

the stockpiles were again analytically tested. In addition, the stockpile with the highest soluble lead concentration was re-sampled and analytically tested for soluble lead. The sample locations are shown on Plate 3. The analytical test reports are presented in Appendix B and summarized in Table 5. The results indicated that the TVH concentrations were less than 100 ppm, as required for acceptance by the BFI Landfill. After their acceptance, the soil was transported to the BFI Landfill. Copies of the Non-Hazardous Waste Manifests are presented in Appendix B.

Table 5. Summary of Analytical Test Results of Soil From The Second Temporary Stockpiles

<u>Sample</u>	<u>Total Volatile Hydrocarbons (ppm)¹</u>	<u>Lead (ppm)</u>	
		<u>Total</u>	<u>Soluble</u>
PA48A	1.2	- ²	-
PA48B	ND ³	-	-
PA56A	ND	-	-
PA56B	ND	-	-
PA64A	ND	-	-
PA64B	1.3	-	-
PA72A	14	-	-
PA72B	8.1	-	-
PA77A-D (COMPOSITE)	1.3	21	0.70

¹ Parts per million (mg/kg)

² Not tested

³ None detected, see test data sheets in the Appendix for detection limits

VI CONCLUSIONS AND RECOMMENDATIONS

We conclude that the work was performed in substantial conformance with requirements of the Work Plan, which was approved by the ACHCSA and BAAQMD. However, soil remains in-place with petroleum hydrocarbon concentrations greater than 100 ppm. Most of this soil is within about 2 feet of the groundwater level. In addition, contaminated groundwater exists on-site and extends downgradient. We recommend that the draft bioremediation plan by SCI and CytoCulture, dated September 21, 1990 be followed to remediate the contaminated soil and groundwater to acceptable levels.

We recommend that this report be distributed to the following agencies:

Ms. Cynthia Chapman
Alameda County Health Care Services Agency
60 Swan Way, Room 200
Oakland, California 94621

Mr. Lester Feldman
California Regional Water Quality Control Board
San Francisco Bay Region
1800 Harrison Street
Oakland, California 94612

Ms. Vicki Dvorak
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, California 94109

VII FUTURE SERVICES

Additional groundwater monitoring wells should be installed downgradient from the site to determine the limits of petroleum hydrocarbon contamination in groundwater. Other wells/borings may be required to check the results of in-place remediation efforts. The existing and future wells should be periodically monitored during and after remediation to check groundwater contaminant concentrations.

List of Tables:

- Table 1 - Summary of Analytical Test Results of Soil Samples from the Excavation Side Walls and Bottom
- Table 2 - Summary of Analytical Test Results of Groundwater Samples from the Excavation
- Table 3 - Summary of Analytical Tests of Stockpiled Soil Prior to Aeration or Disposal
- Table 4 - Summary of Analytical Tests of Soil from the First Temporary Stockpiles After Aeration
- Table 5 - Summary of Analytical Test Results of Soil from the Second Temporary Stockpiles

List of Attached Plates:

- Plate 1 Site Plan
- Plate 2 First Temporary Stockpile Locations
- Plate 3 Second Temporary Stockpile Locations

Appendix A:

Sampling Procedures, Analytical Testing and Field Analysis for Organic Vapors

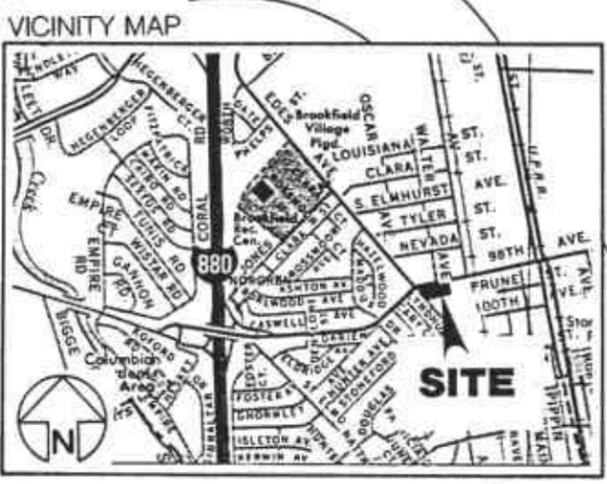
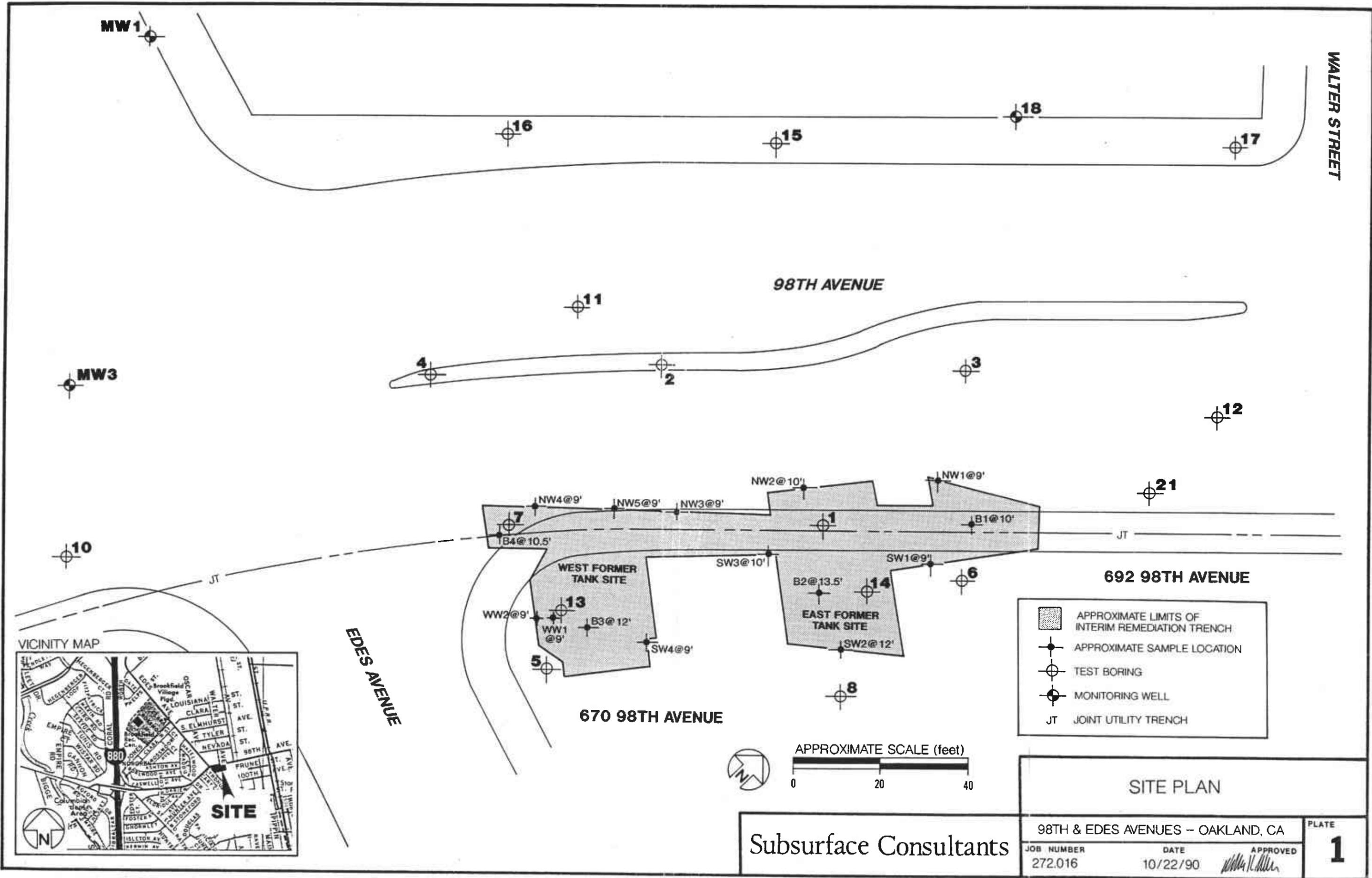
Appendix B:

Analytical Test Results
Chain-of-Custody Records
Manifests
Receipt (Durham Road Landfill)
Non-Hazardous Waste Manifests (BFI Landfill)

Distribution:

10 copies: Mr. Dan Lau
 Construction
 City of Oakland
 7101 Edgewater Drive
 Oakland, California 94621

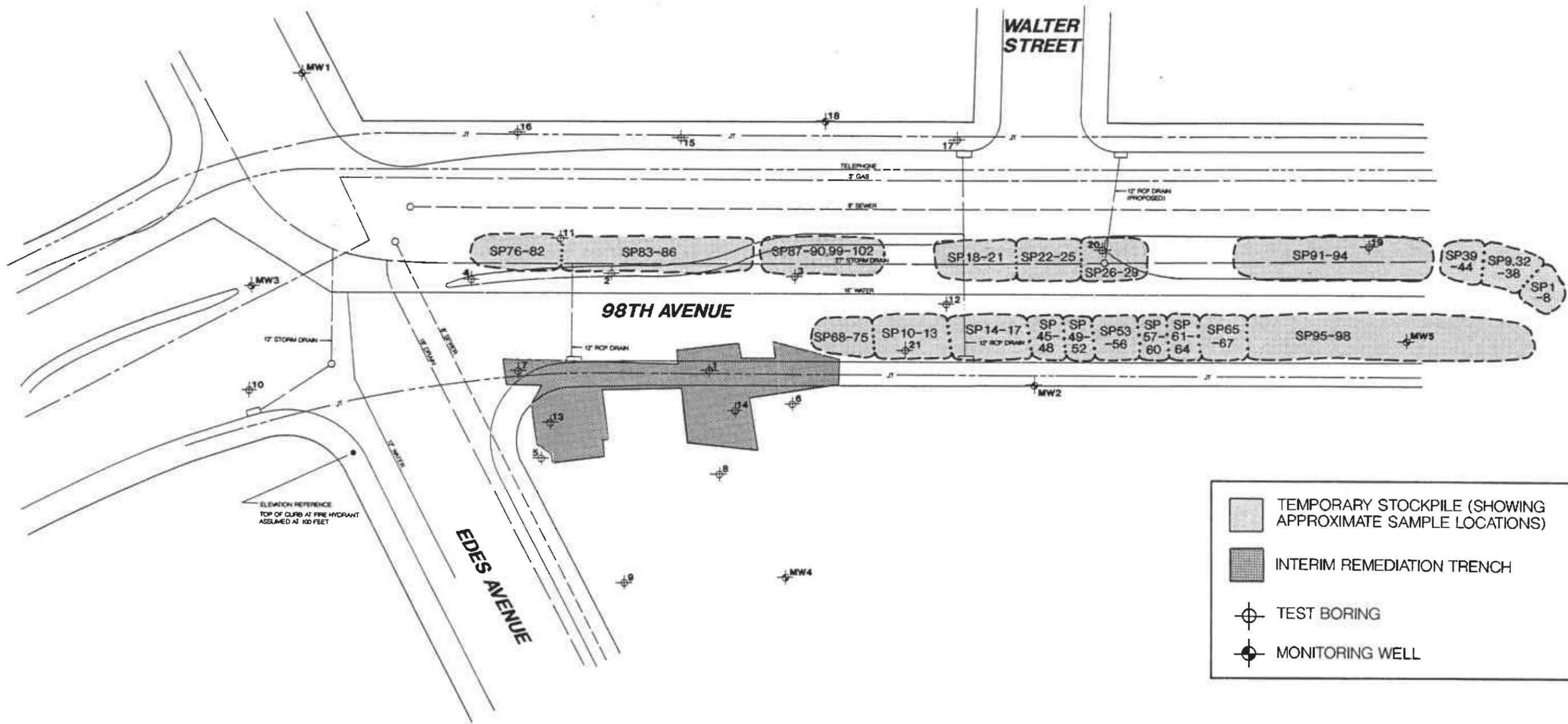
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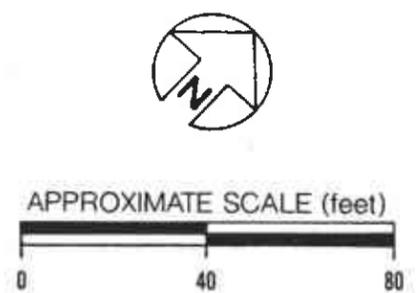
- APPROXIMATE LIMITS OF INTERIM REMEDIATION TRENCH
- APPROXIMATE SAMPLE LOCATION
- TEST BORING
- MONITORING WELL
- JOINT UTILITY TRENCH

SITE PLAN		
98TH & EDES AVENUES - OAKLAND, CA		
JOB NUMBER 272.016	DATE 10/22/90	APPROVED
		PLATE 1

Subsurface Consultants



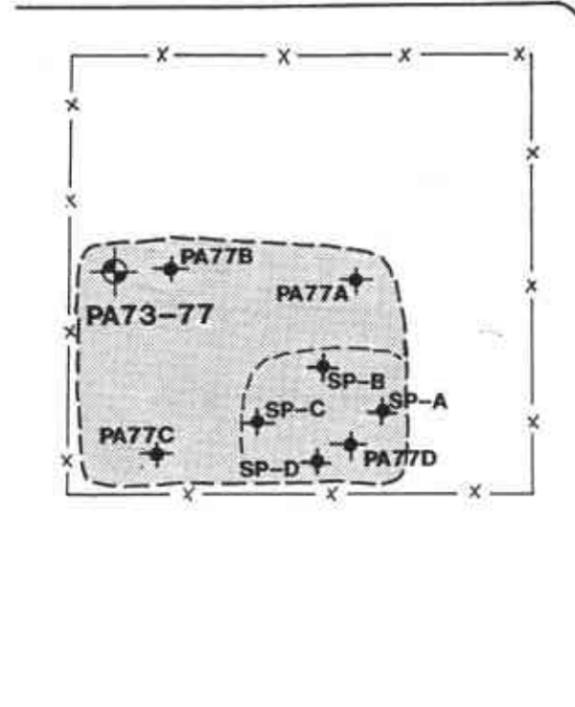
-  TEMPORARY STOCKPILE (SHOWING APPROXIMATE SAMPLE LOCATIONS)
-  INTERIM REMEDIATION TRENCH
-  TEST BORING
-  MONITORING WELL



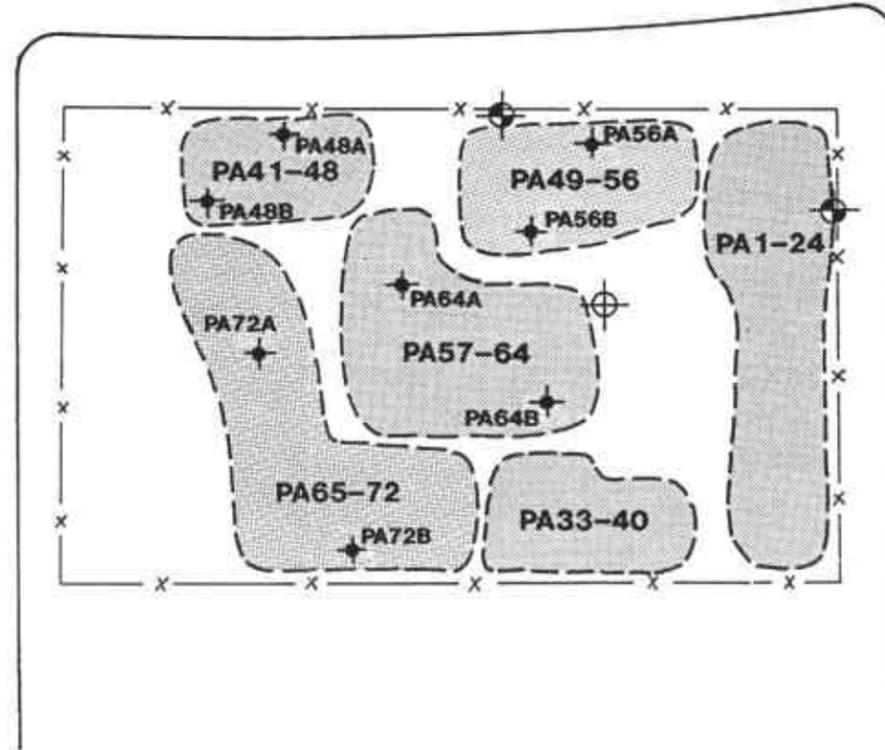
FIRST TEMPORARY STOCKPILE LOCATIONS		
98TH & EDES AVENUES - OAKLAND, CA		
JOB NUMBER 272.016	DATE 10/19/90	APPROVED 
		PLATE 2

Subsurface Consultants

98TH AVENUE



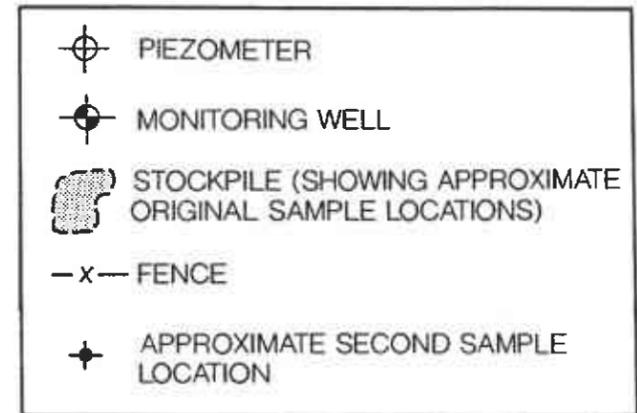
PIPPIIN STREET



SAN LEANDRO STREET



VICINITY MAP



APPROXIMATE SCALE (feet)



SECOND TEMPORARY STOCKPILE LOCATIONS

98TH AND EDES AVENUES - OAKLAND, CA

Subsurface Consultants

JOB NUMBER
272.016

DATE
10/19/90

APPROVED
[Signature]

PLATE
3

APPENDIX A
SAMPLING PROCEDURES, ANALYTICAL TESTING AND FIELD ANALYSIS FOR
ORGANIC VAPORS

A.1 Sampling Procedures

Soil samples were taken from the excavation interior, sidewalls and bottom, and from stockpiles of excavated soil. For all samples from the excavation, a backhoe bucket of soil was brought to the surface for sampling. Stockpile samples were obtained directly from the stockpile. At least 3 inches of soil was scraped away and a steam-cleaned brass sample liner was driven into the exposed soil. After withdrawal, the liner ends were covered with Teflon sheets, capped, wrapped with duct tape and labelled. The samples were immediately placed in an ice-filled cooler, and later transported to the analytical laboratory. Chain-of-Custody Records were maintained, copies of which are presented in Appendix B.

The excavation extended below the groundwater level at the two former tank sites. One groundwater sample was obtained from each site. The water samples were obtained with a clean Teflon sampling device, placed into the appropriate pre-cleaned containers, refrigerated and transported to the analytical laboratory. Chain-of-Custody records were maintained, copies of which are presented in Appendix B.

A.2 Analytical Testing

Analytical testing was performed by Eureka Laboratories, Inc., GTEL Environmental Laboratories, Inc. and Curtis & Tompkins, Ltd., all are DHS certified laboratories for the tests performed. The previous uses of the tanks were to store gasoline and waste oil. The analytical tests were directed toward satisfying requirements of the BAAQMD for aeration, and the Durham Road and BFI landfills for disposal. The tests included:

1. Total volatile hydrocarbons (TVH); sample preparation using EPA method 5030 (purge and trap) and analysis using EPA method 8015 (gas chromatograph coupled to a flame ionization detector),
2. Total extractable hydrocarbons (TEH), with gasoline distinction; sample preparation using EPA method 3550 (sonication) and analysis using EPA method 8015 (modified),
3. Benzene, toluene, xylenes and ethylbenzene (BTXE); sample preparation using EPA method 5030 (purge and trap) and analysis using EPA method 8020 (gas chromatograph coupled to a photo-ionization detector), and
4. Total and soluble lead.

A.3 Field Analysis for Organic Vapors

Field monitoring of excavated soils was performed using an organic vapor meter. The soil samples were obtained in a similar manner as the samples obtained for analysis. The field samples were then placed in one-quart Ziplock bags. The bag, half-filled with soil, was placed in a warm area and allowed to stand for at least five minutes. The bag was then opened, the gas detector

probe inserted, and an organic vapor reading was taken. If the reading exceeded about 300 ppm, the soil was considered to contain unacceptably high concentrations of gasoline. Aeration continued until the readings were less than 300 ppm.

It should be noted that organic vapor readings taken in this manner do not accurately reflect the concentration of petroleum hydrocarbons in the soil. In addition, the bag itself can affect the organic vapor reading. This testing served as a quick field indicator of hydrocarbon concentrations.



RECEIVED

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

10/22/90
10/24/90

DATE RECEIVED: 10/22/90
DATE REPORTED: 10/24/90

LAB NUMBER: 102030

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 8 SOIL SAMPLES

PROJECT #: 272.016
LOCATION: 98TH & EDES

RESULTS: SEE ATTACHED

ARL

QA/QC Approval

[Signature]

Final Approval



LABORATORY NUMBER: 102030
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
LOCATION: 98TH & EDES

DATE RECEIVED: 10/22/90
DATE ANALYZED: 10/24/90
DATE REPORTED: 10/24/90

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)
102030-1	PA48A	1.2	1.0
102030-2	PA48B	ND	1.0
102030-3	PA56A	ND	1.0
102030-4	PA56B	ND	1.0
102030-5	PA64A	ND	1.0
102030-6	PA64B	1.3	1.0
102030-7	PA72A	14	1.0
102030-8	PA72B	8.1	1.0

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	6
RECOVERY, %	122



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

RECEIVED

OCT 30 1990

AM
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DATE RECEIVED: 10/22/90
DATE REPORTED: 10/25/90

LAB NUMBER: 102029

CLIENT: SUBSURFACE CONSULTANTS

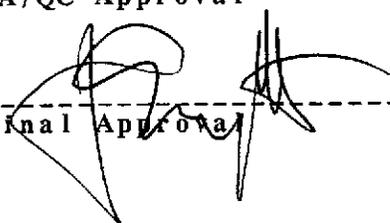
REPORT ON: 1 SOIL COMPOSITE

PROJECT #: 272.016
LOCATION: 98TH & EDES

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

Berkeley

Wilmington

Los Angeles



LABORATORY NUMBER: 102029
CLIENT: SUBSURFACE CONSULTANTS
PROJECT #: 272.016
LOCATION: 98TH & EDES

DATE RECEIVED: 10/22/90
DATE ANALYZED: 10/24/90
DATE REPORTED: 10/25/90

=====
ANALYSIS: LEAD
ANALYSIS METHOD: EPA 7420
=====

LAB ID	CLIENT ID	RESULT	UNITS	REPORTING LIMIT
102029-5	PA77A,B,C,D	21	mg/Kg	2.5

QA/QC SUMMARY

RPD, %	1
RECOVERY, %	100

LABORATORY NUMBER: 102029
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT #: 272.016
 LOCATION: 98TH & EDES

DATE RECEIVED: 10/22/90
 DATE ANALYZED: 10/25/90
 DATE REPORTED: 10/25/90

=====
 ANALYSIS: SOLUBLE LEAD
 ANALYSIS METHOD: EPA 7420
 EXTRACTION BY WASTE EXTRACTION TEST: CCR TITLE 26 SECTION 22-66700
 =====

LAB ID	CLIENT ID	RESULT	UNITS	REPORTING LIMIT
102029-5	PA77A,B,C,D	0.70	mg/L	0.05

QA/QC SUMMARY

=====

RPD, %	3
RECOVERY, %	97

=====



LABORATORY NUMBER: 102029
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
LOCATION: 98TH & EDES

DATE RECEIVED: 10/22/90
DATE ANALYZED: 10/24/90
DATE REPORTED: 10/25/90

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)
102029-5	PA77A,B,C,D	1.3	1.0

QA/QC SUMMARY

=====
 RPD, % 6
 RECOVERY, % 122
 =====



EUREKA LABORATORIES, INC.

Corporate Office:
6790 FLORIN PERKINS ROAD
SACRAMENTO, CA 95828
TEL: (916) 381-7953
FAX: (916) 381-4013

Branch Office:
12121 NORTHUP WAY, SUITE 212
BELLEVUE, WA 98005
TEL: (206) 885-0284
FAX: (206) 885-6162

Air Pollution
Chemical Analysis,
Research & Testing
Environmental Studies
Robotics
Toxicology

September 28, 1990

RECEIVED

OCT 01 1990
AM 7:18:30 PM 11:23:45/6

Mr. Bill Wikander
SUBSURFACE CONSULTANTS
171 12th Street
Oakland, CA 94607

Reference: ELI No: 90-09-104
Project #: 272.016
Project: 98th & Edes

Dear Mr. Wikander:

Eureka Laboratories, Inc. is pleased to submit a laboratory report for the subject project. This report presents analytical results for one (1) composite soil sample for the following analyses:

<u>ANALYSIS</u>	<u>METHOD</u>	<u>SAMPLE ID.</u>
Total Lead (STLC)	EPA 6010	PA73,74,75,76,77 COMPOSITE
Total Petroleum Hydrocarbons	EPA 8015 (Modified)	same as above
Aromatic Volatile Organics	EPA 8020	same as above
California Waste Extraction Test (WET)	Title 22	same as above

Sincerely,
EUREKA LABORATORIES, INC.

By: Chung P. Li for
Shao-Pin Yo, Ph.D.
Laboratory Director

SPY/pvc

Attachment



EUREKA LABORATORIES, INC.

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Air Pollution
Chemical Analysis,
Research & Testing
Environmental Studies
Robotics
Toxicology

October 1, 1990

RECEIVED

AM OCT 03 1990 PM
7:39, 10:11, 12:12, 2:18, 4:51, 6

Mr. Bill Wikander
SUBSURFACE CONSULTANTS
171 12th Street
Oakland, CA 94607

Reference: ELI No: 90-09-104
Project #: 272.016
Project: 98th & Edes

Dear Mr. Wikander:

Enclosed please find the report for Total Lead, EPA Method 6010 missing from the above order number.

Also enclosed please find revised STLC Lead report, EPA Method 6010. The correction we made was "mg/Kg" to "mg/L". We regret the typographical error and apologize for any inconvenience caused.

Sincerely,
EUREKA LABORATORIES, INC.

By: Shao-Pin Yo
Shao-Pin Yo, Ph.D.
Laboratory Director

SPY/pvc

Attachment

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC)

TOTAL LEAD
EPA 6010

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-09-104
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
JOB #: 272.016

DATE RECEIVED: 09/13/1990
DATE EXTRACTED: 09/19/1990
DATE COMPLETED: 09/24/1990
DATE SAMPLED: 09/13/1990

<u>SAMPLE ID.</u>	<u>LEAD [mg/L (ppm)]</u>
PA73,74,75,76,77 COMPOSITE	0.94
BLANK	<0.5
PA73,74,75,76,77 MATRIX SPIKE RECOVERY - 98%	
PA73,74,75,76,77 MATRIX SPIKE RECOVERY DUP. - 99%	

DETECTION LIMIT: 0.5 [mg/L (ppm)]

Josie Quiambao
Chemist

September 28, 1990
Date

TOTAL LEAD
EPA 6010

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-09-104
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
JOB #: 272.016

DATE RECEIVED: 09/13/1990
DATE EXTRACTED: 09/21/1990
DATE COMPLETED: 09/24/1990
DATE SAMPLED: 09/13/1990

SAMPLE ID.

LEAD [mg/Kg(ppm)]

PA73,74,75,76,77 COMPOSITE

39.1

BLANK

<3.0

- * MATRIX SPIKE RECOVERY - 69%
- * MATRIX SPIKE RECOVERY DUP. - 72%

DETECTION LIMIT: 3.0 [mg/Kg(ppm)]

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Josie Quiambao
Chemist

October 1, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-09-104
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
JOB #: 272.016
SAMPLE ID: BLANK

DATE RECEIVED: 09/13/1990
DATE EXTRACTED: 09/18/1990
DATE COMPLETED: 09/21/1990

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-
<u>CARBON NO. RANGE</u>		
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-
<u>PEAK CARBON NO</u>		
Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-


Abdou Mekebri
Chemist

September 28, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-09-104
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 09/13/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 09/18/1990
JOB #: 272.016	DATE COMPLETED: 09/21/1990
SAMPLE ID: PA73,74,75,76,77 COMPOSITE	DATE SAMPLED: 09/13/1990

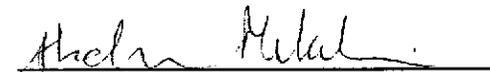
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
Gasoline Range	145	5
Diesel Range	99	10
Motor Oil Range	330	25
Total Petroleum Hydrocarbons	574	-

CARBON NO. RANGE

Gasoline Range	C9-C12	-
Diesel Range	C12-C18	-
Motor Oil Range	C18-C30	-

PEAK CARBON NO

Gasoline Range	C11	-
Diesel Range	C16	-
Motor Oil Range	C24	-


Abdou Mekebri
Chemist

September 28, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-09-104
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
JOB #: 272.016
SAMPLE ID: REAGENT SPIKE RECOVERY *

DATE RECEIVED: 09/13/1990
DATE EXTRACTED: 09/18/1990
DATE COMPLETED: 09/21/1990

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Gasoline Range	-
Diesel Range	95%
Motor Oil Range	-
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

* Reagent spike set is used due to matrix interference.


Abdou Mekebri
Chemist

September 28, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-09-104
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 09/13/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 09/18/1990
JOB #: 272.016	DATE COMPLETED: 09/21/1990
SAMPLE ID: REAGENT SPIKE RECOVERY DUPLICATE *	

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Gasoline Range	-
Diesel Range	97%
Motor Oil Range	-
Total Petroleum Hydrocarbons	-

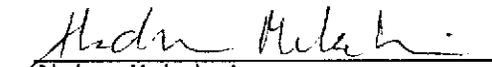
CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

* Reagent spike set is used due to matrix interference.


Abdou Mekebri
Chemist

September 28, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-09-104
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
JOB #: 272.016
SAMPLE ID: BLANK

DATE RECEIVED: 09/13/1990
DATE EXTRACTED: 09/18/1990
DATE COMPLETED: 09/21/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow
Huey-Chen Chow
Chemist

September 28, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

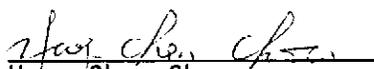
Order No: 90-09-104
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 09/13/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 09/18/1990
JOB #: 272.016	DATE COMPLETED: 09/21/1990
SAMPLE ID: PA73,74,75,76,77 COMPOSITE	DATE SAMPLED: 09/13/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	11	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	19	1
V7	Toluene	32	1
V8	Xylenes (Dimethyl benzenes)	500	1

Note:

All positively identified compounds were second column confirmed.


Huey-Chen Chow
Chemist

September 28, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-09-104
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
JOB #: 272.016
SAMPLE ID: MATRIX SPIKE RECOVERY *

DATE RECEIVED: 09/13/1990
DATE EXTRACTED: 09/18/1990
DATE COMPLETED: 09/21/1990

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
V1	Benzene	87%
V2	Chlorobenzene	90%
V3	1,2-Dichlorobenzene	95%
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	90%
V7	Toluene	96%
V8	Xylenes (Dimethyl benzenes)	97%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Huey Chen Chow
Huey Chen Chow
Chemist

September 28, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-09-104
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 09/13/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 09/18/1990
JOB #: 272.016	DATE COMPLETED: 09/21/1990
SAMPLE ID: MATRIX SPIKE RECOVERY DUPLICATE *	

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
V1	Benzene	88%
V2	Chlorobenzene	89%
V3	1,2-Dichlorobenzene	93%
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	90%
V7	Toluene	95%
V8	Xylenes (Dimethyl benzenes)	97%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Huey-Chen Chow
Huey-Chen Chow
Chemist

September 28, 1990
Date



EUREKA LABORATORIES, INC.

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Air Pollution
Chemical Analysis,
Research & Testing
Environmental Studies
Robotics
Toxicology

September 10, 1990

Mr. Bill Wikander
SUBSURFACE CONSULTANTS
171 12th Street
Oakland, CA 94607

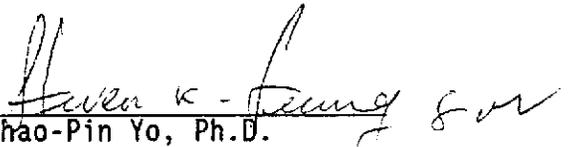
Reference: ELI No: 90-08-298
Project #: 272.016
Project: 98th & Edes Phase 2

Dear Mr. Wikander:

Eureka Laboratories, Inc. is pleased to submit a laboratory report for the subject project. This report presents analytical results for one (1) soil sample -ONE WEEK RUSH- for the following analyses:

<u>ANALYSIS</u>	<u>METHOD</u>	<u>SAMPLE ID.</u>
Total Lead	EPA 6010	PA65,66,67,68,69,70,71,72
Total Lead (STLC)	EPA 6010	same as above
Total Petroleum Hydrocarbons	EPA 8015 (Modified)	same as above
Aromatic Volatile Organics	EPA 8020	same as above
California Waste Extraction Test (WET)	Title 22	same as above

Sincerely,
EUREKA LABORATORIES, INC.

By: 
Shao-Pin Yo, Ph.D.
Laboratory Director

SPY/pvc

Attachment

TOTAL LEAD
EPA 6010

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-298
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS
PROJECT #: 272.016
PROJECT: 98TH & EDES PHASE 2

DATE RECEIVED: 08/30/1990
DATE EXTRACTED: 08/31/1990
DATE COMPLETED: 09/04/1990
DATE SAMPLED: 08/30/1990

SAMPLE ID.

LEAD [mg/Kg(ppm)]

PA65,66,67,68,69,70,71,72

21.8

BLANK

<3.0

- * MATRIX SPIKE RECOVERY - 90%
- * MATRIX SPIKE RECOVERY DUP. - 89%

DETECTION LIMIT: 3.0 [mg/Kg(ppm)]

This detection limit is based on dilution factor of 50.

- * This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Josie Quiambao
Josie Quiambao
Chemist

September 10, 1990
Date

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC)

TOTAL LEAD
EPA 6010

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-298
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS
PROJECT #: 272.016
PROJECT: 98TH & EDES PHASE 2

DATE RECEIVED: 08/30/1990
DATE EXTRACTED: 08/31/1990
DATE COMPLETED: 09/06/1990
DATE SAMPLED: 08/30/1990

SAMPLE ID. LEAD [mg/L (ppm)]

PA65,66,67,68,69,70,71,72

0.7

BLANK

<0.5

* MATRIX SPIKE RECOVERY - 79%
* MATRIX SPIKE RECOVERY DUP. - 85%

DETECTION LIMIT: 0.5 [mg/L (ppm)]

Osie Quiambao
Osie Quiambao
Chemist

September 10, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-298
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS
PROJECT #: 272.016
PROJECT: 98TH & EDES PHASE 2
SAMPLE ID: BLANK

DATE RECEIVED: 08/30/1990
DATE EXTRACTED: 09/04/1990
DATE COMPLETED: 09/06/1990

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
-------------------------------	----------------------------------------------	------------------------------------------------

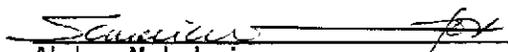
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-

CARBON NO. RANGE

Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-


Abdou Mekebri
Chemist

September 10, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-298
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS	DATE RECEIVED: 08/30/1990
PROJECT #: 272.016	DATE EXTRACTED: 09/04/1990
PROJECT: 98TH & EDES PHASE 2	DATE COMPLETED: 09/06/1990
SAMPLE ID: PA65,66,67,68,69,70,71,72	DATE SAMPLED: 08/30/1990

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
-------------------------------	---------------------------------------	-----------------------------------------

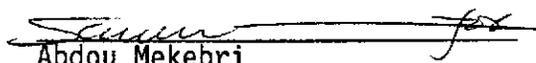
Gasoline Range	234	5
Diesel Range	<10	10
Motor Oil Range	177	25
Total Petroleum Hydrocarbons	411	-

CARBON NO. RANGE

Gasoline Range	C9-C12	-
Diesel Range	-	-
Motor Oil Range	C18-C28	-

PEAK CARBON NO

Gasoline Range	C10	-
Diesel Range	-	-
Motor Oil Range	C24	-

 September 10, 1990
Abdou Mekebri
Chemist Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-298
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS
PROJECT #: 272.016
PROJECT: 98TH & EDES PHASE 2
SAMPLE ID: MATRIX SPIKE RECOVERY *

DATE RECEIVED: 08/30/1990
DATE EXTRACTED: 09/04/1990
DATE COMPLETED: 09/06/1990

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Gasoline Range	-
Diesel Range	96%
Motor Oil Range	-
Total Petroleum Hydrocarbons	-

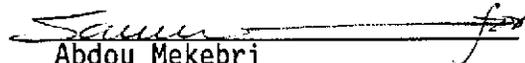
CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Abdou Mekebri
Chemist

September 10, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-298
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS	DATE RECEIVED: 08/30/1990
PROJECT #: 272.016	DATE EXTRACTED: 09/04/1990
PROJECT: 98TH & EDES PHASE 2	DATE COMPLETED: 09/06/1990
SAMPLE ID: MATRIX SPIKE RECOVERY DUPLICATE *	

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Gasoline Range	-
Diesel Range	95%
Motor Oil Range	-
Total Petroleum Hydrocarbons	-

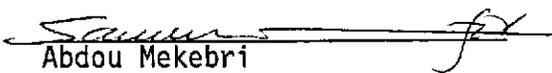
CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Abdou Mekebri
Chemist

September 10, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-298
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS
PROJECT #: 272.016
PROJECT: 98TH & EDES PHASE 2
SAMPLE ID: BLANK

DATE RECEIVED: 08/30/1990
DATE EXTRACTED: 09/04/1990
DATE COMPLETED: 09/06/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey Chen Chow September 10, 1990
Huey Chen Chow Date
Chemist

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

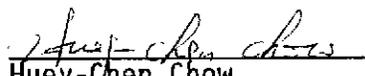
Order No: 90-08-298
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS
PROJECT #: 272.016
PROJECT: 98TH & EDES PHASE 2
SAMPLE ID: PA65,66,67,68,69,70,71,72

DATE RECEIVED: 08/30/1990
DATE EXTRACTED: 09/04/1990
DATE COMPLETED: 09/06/1990
DATE SAMPLED: 08/30/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	11	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	13	1
V7	Toluene	27	1
V8	Xylenes (Dimethyl benzenes)	539	1

Note: All positively identified compounds were second column confirmed.


Huey-Chen Chow September 10, 1990
Chemist Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-298
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS
PROJECT #: 272.016
PROJECT: 98TH & EDES PHASE 2
SAMPLE ID: MATRIX SPIKE RECOVERY *

DATE RECEIVED: 08/30/1990
DATE EXTRACTED: 09/04/1990
DATE COMPLETED: 09/06/1990

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
----------------------------	-----------------	-----------------------

V1	Benzene	73%
V2	Chlorobenzene	88%
V3	1,2-Dichlorobenzene	82%
V4	1,3-Dichlorobenzene	94%
V5	1,4-Dichlorobenzene	86%
V6	Ethyl benzene	90%
V7	Toluene	-
V8	Xylenes (Dimethyl benzenes)	90%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Huey-Chen Chow
Chemist

September 10, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-298
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS	DATE RECEIVED: 08/30/1990
PROJECT #: 272.016	DATE EXTRACTED: 09/04/1990
PROJECT: 98TH & EDES PHASE 2	DATE COMPLETED: 09/06/1990
SAMPLE ID: MATRIX SPIKE RECOVERY DUPLICATE *	

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
V1	Benzene	77%
V2	Chlorobenzene	81%
V3	1,2-Dichlorobenzene	77%
V4	1,3-Dichlorobenzene	85%
V5	1,4-Dichlorobenzene	81%
V6	Ethyl benzene	83%
V7	Toluene	-
V8	Xylenes (Dimethyl benzenes)	84%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Huey-Chen Chow
Huey-Chen Chow September 10, 1990
Chemist Date



EUREKA LABORATORIES, INC.

Air Pollution
Chemical Analysis,
Research & Testing
Environmental Studies
Robotics
Toxicology

Corporate Office:
6790 FLORIN PERKINS ROAD
SACRAMENTO, CA 95828
TEL: (916) 381-7953
FAX: (916) 381-4013

Branch Office:
12121 NORTHUP WAY, SUITE 212
BELLEVUE, WA 98005
TEL: (206) 885-0284
FAX: (206) 885-6162

August 28, 1990

Mr. Bill Wikander
SUBSURFACE CONSULTANTS
171 12th Street
Oakland, CA 94607

RECEIVED

AUG 30 1990

Reference: ELI Order No: 90-08-194
Project: 98th & Edes
SCI Job #: 272.016

AS1
718,9,10,11,12,13,14,15,16
PBI ✓

Dear Mr. Wikander:

Eureka Laboratories, Inc. is pleased to submit a laboratory report for the subject project. This report presents analytical results for one (1) composited soil sample-ONE WEEK RUSH-for the following analyses:

<u>ANALYSIS</u>	<u>METHOD</u>	<u>SAMPLE ID.</u>
Total Petroleum Hydrocarbons	EPA 8015 (Modified)	PA57, 58, 59, 60, 61, 62, 63, 64 COMP.
Aromatic Volatile Organics	EPA 8020	same as above
Lead/STLC	EPA 6010	same as above
Lead	EPA 6010	same as above
California Waste Extraction Test	Title 22	

Sincerely,
EUREKA LABORATORIES, INC.

By: Shao-Pin Yo
Shao-Pin Yo, Ph.D.
Laboratory Director

SPY/jj

Attachment

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-194
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB NUMBER: 272.016
SAMPLE ID: BLANK

DATE RECEIVED: 08/21/1990
DATE EXTRACTED: 08/23/1990
DATE COMPLETED: 08/24/1990

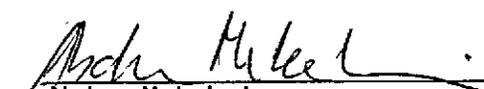
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-

CARBON NO. RANGE

Gasoline Range -
Diesel Range -
Motor Oil Range -

PEAK CARBON NO

Gasoline Range -
Diesel Range -
Motor Oil Range -


Abdou Mekebri
Chemist

August 28, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-194
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 08/21/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 08/23/1990
SCI JOB NUMBER: 272.016	DATE COMPLETED: 08/24/1990
SAMPLE ID: PA57,58,59,60,61,62,63,64 COMP.	DATE SAMPLED: 08/21/1990

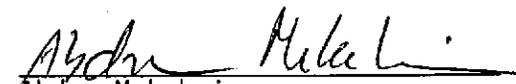
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Gasoline Range	140	5
Diesel Range	<10	10
Motor Oil Range	141	25
Total Petroleum Hydrocarbons	281	-

CARBON NO. RANGE

Gasoline Range	C9-C12	-
Diesel Range	-	-
Motor Oil Range	C17-C28	-

PEAK CARBON NO

Gasoline Range	C10	-
Diesel Range	-	-
Motor Oil Range	C24	-


Abdou Mekebri
Chemist

August 28, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-194
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB NUMBER: 272.016
SAMPLE ID: MATRIX SPIKE RECOVERY *

DATE RECEIVED: 08/21/1990
DATE EXTRACTED: 08/23/1990
DATE COMPLETED: 08/24/1990

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Gasoline Range
Diesel Range
Motor Oil Range
Total Petroleum Hydrocarbons

-
93%
-

CARBON NO. RANGE

Gasoline Range
Diesel Range
Motor Oil Range

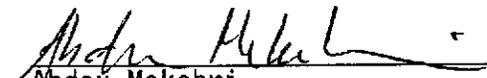
-
-
-

PEAK CARBON NO

Gasoline Range
Diesel Range
Motor Oil Range

-
-
-

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Abdou Mekebri
Chemist

August 28, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-194
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB NUMBER: 272.016
SAMPLE ID: MATRIX SPIKE RECOVERY DUP. *

DATE RECEIVED: 08/21/1990
DATE EXTRACTED: 08/23/1990
DATE COMPLETED: 08/24/1990

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Gasoline Range
Diesel Range
Motor Oil Range
Total Petroleum Hydrocarbons

-
88%
-

CARBON NO. RANGE

Gasoline Range
Diesel Range
Motor Oil Range

-
-
-

PEAK CARBON NO

Gasoline Range
Diesel Range
Motor Oil Range

-
-
-

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Abdou Mekebri
Chemist

August 28, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-194
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB NUMBER: 272.016
SAMPLE ID: BLANK

DATE RECEIVED: 08/21/1990
DATE EXTRACTED: 08/23/1990
DATE COMPLETED: 08/27/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow
Huey-Chen Chow August 28, 1990
Chemist Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

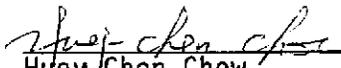
EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-194
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 08/21/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 08/23/1990
SCI JOB NUMBER: 272.016	DATE COMPLETED: 08/27/1990
SAMPLE ID: PA57,58,59,60,61,62,63,64 COMP.	DATE SAMPLED: 08/21/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	31	5
V2	Chlorobenzene	<5	5
V3	1,2-Dichlorobenzene	<5	5
V4	1,3-Dichlorobenzene	<5	5
V5	1,4-Dichlorobenzene	<5	5
V6	Ethyl benzene	54	5
V7	Toluene	61	5
V8	Xylenes (Dimethyl benzenes)	1530	5

* Higher detection limit is due to matrix interference.


Huey-Chen Chow
Chemist

August 28, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-194
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB NUMBER: 272.016
SAMPLE ID: MATRIX SPIKE RECOVERY *

DATE RECEIVED: 08/21/1990
DATE EXTRACTED: 08/23/1990
DATE COMPLETED: 08/27/1990

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
V1	Benzene	88%
V2	Chlorobenzene	92%
V3	1,2-Dichlorobenzene	86%
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	92%
V7	Toluene	91%
V8	Xylenes (Dimethyl benzenes)	93%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Huey-Chen Chow August 28, 1990
Huey-Chen Chow Date
Chemist

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

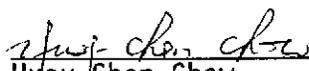
Order No: 90-08-194
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 08/21/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 08/23/1990
SCI JOB NUMBER: 272.016	DATE COMPLETED: 08/27/1990
SAMPLE ID: MATRIX SPIKE RECOVERY DUP. *	

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
----------------------------	-----------------	-----------------------

V1	Benzene	90%
V2	Chlorobenzene	92%
V3	1,2-Dichlorobenzene	93%
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	91%
V7	Toluene	94%
V8	Xylenes (Dimethyl benzenes)	94%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Huey-Chen Chow
Chemist

August 28, 1990
Date



EUREKA LABORATORIES, INC.

Corporate Office:
6790 FLORIN PERKINS ROAD
SACRAMENTO, CA 95828
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FAX: (916) 381-4013

Branch Office:
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BELLEVUE, WA 98005
TEL: (206) 885-0284
FAX: (206) 885-6162

Air Pollution
Chemical Analysis,
Research & Testing
Environmental Studies
Robotics
Toxicology

August 27, 1990

Mr. Bill Wikander
SUBSURFACE CONSULTANTS
171 12th Street
Oakland, CA 94607

RECEIVED

Reference: ELI Order No: 90-08-169
Project: 98th & Edes
SCI Job #: 272.016

AUG 30 1990
AM 7:8,9,10,11,12,1,2,3,4,5,6 PM

Dear Mr. Wikander:

Eureka Laboratories, Inc. is pleased to submit a laboratory report for the subject project. This report presents analytical results for one (1) composited soil samples-ONE WEEK RUSH-for the following analyses:

<u>ANALYSIS</u>	<u>METHOD</u>	<u>SAMPLE ID.</u>
STLC/Lead	EPA 6010	PA-49, 50, 51, 52, 53, 54, 55, 56 COMPOSITE
Lead	EPA 6010	same as above
Aromatic Volatile Organics	EPA 8020	same as above
Total Petroleum Hydrocarbons	EPA 8015 (Modified)	same as above

Sincerely,
EUREKA LABORATORIES, INC.

By: Shao-Pin Yo
Shao-Pin Yo, Ph.D.
Laboratory Director

SPY/jj

Attachment

SOLUBLE THRESHOLD LIMIT CONCENTRATION

LEAD
EPA 6010

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-169
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016

DATE RECEIVED: 08/17/1990
DATE EXTRACTED: 08/20/1990
DATE COMPLETED: 08/24/1990
DATE SAMPLED: 08/17/1990

<u>SAMPLE ID</u>	<u>UNITS [mg/L (ppm)]</u>
PA-49,50,51,52,53,54,55,56 COMP.	0.7
METHOD BLANK	<0.5
PA-49-56 COMP. MATRIX SPIKE RECOVERY - 86%	
PA-49-56 COMP. MATRIX SPIKE RECOVERY DUP. - 86%	
DETECTION LIMIT: 0.5 [mg/L (ppm)]	

Josie Quiambao August 27, 1990
Josie Quiambao Date
Chemist

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-169
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: BLANK

DATE RECEIVED: 08/17/1990
DATE EXTRACTED: 08/21/1990
DATE COMPLETED: 08/22/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow
Huey-Chen Chow August 27, 1990
Chemist Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

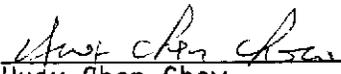
Order No: 90-08-169
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 08/17/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 08/21/1990
SCI JOB #: 272.016	DATE COMPLETED: 08/22/1990
SAMPLE ID: PA-49,50,51,52,53,54,55,56 COMP.	DATE SAMPLED: 08/17/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	4	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	3	1
V7	Toluene	6	1
V8	Xylenes (Dimethyl benzenes)	136	1

Note:

All positively identified compounds were second column confirmed.


Huey-Chen Chow August 27, 1990
Chemist Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-169
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: MATRIX SPIKE RECOVERY *

DATE RECEIVED: 08/17/1990
DATE EXTRACTED: 08/21/1990
DATE COMPLETED: 08/22/1990

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
----------------------------	-----------------	-----------------------

V1	Benzene	78%
V2	Chlorobenzene	82%
V3	1,2-Dichlorobenzene	78%
V4	1,3-Dichlorobenzene	87%
V5	1,4-Dichlorobenzene	82%
V6	Ethyl benzene	83%
V7	Toluene	-
V8	Xylenes (Dimethyl benzenes)	83%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Huey-Chen Chow
Huey-Chen Chow
Chemist

August 27, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

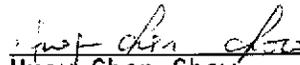
Order No: 90-08-169
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 08/17/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 08/21/1990
SCI JOB #: 272.016	DATE COMPLETED: 08/22/1990
SAMPLE ID: MATRIX SPIKE RECOVERY DUP. *	

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
----------------------------	-----------------	-----------------------

V1	Benzene	81%
V2	Chlorobenzene	87%
V3	1,2-Dichlorobenzene	82%
V4	1,3-Dichlorobenzene	91%
V5	1,4-Dichlorobenzene	87%
V6	Ethyl benzene	89%
V7	Toluene	-
V8	Xylenes (Dimethyl benzenes)	89%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Huey-Chen Chow
Chemist

August 27, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-169
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: BLANK

DATE RECEIVED: 08/17/1990
DATE EXTRACTED: 08/21/1990
DATE COMPLETED: 08/23/1990

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-

CARBON NO. RANGE

Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-


Sandia Kao
Senior Chemist, Organic Group

August 27, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-169
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 08/17/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 08/21/1990
SCI JOB #: 272.016	DATE COMPLETED: 08/23/1990
SAMPLE ID: PA-49,50,51,52,53,54,55,56 COMP.	DATE SAMPLED: 08/17/1990

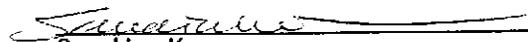
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Gasoline Range	102	5
Diesel Range	<10	10
Motor Oil Range	154	25
Total Petroleum Hydrocarbons	256	-

CARBON NO. RANGE

Gasoline Range	C9-C12	-
Diesel Range	-	-
Motor Oil Range	C16-C28	-

PEAK CARBON NO

Gasoline Range	C10	-
Diesel Range	-	-
Motor Oil Range	C24	-


Sandia Kao
Senior Chemist, Organic Group

August 27, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-169
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: REAGENT SPIKE RECOVERY *

DATE RECEIVED: 08/17/1990
DATE EXTRACTED: 08/21/1990
DATE COMPLETED: 08/23/1990

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Gasoline Range	75%
Diesel Range	-
Motor Oil Range	81%
Total Petroleum Hydrocarbons	

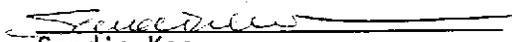
CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

* Reagent spike set is used due to matrix interference.


Sandia Kao
Senior Chemist, Organic Group

August 27, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-169
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: REAGENT SPIKE RECOVERY DUP. *

DATE RECEIVED: 08/17/1990
DATE EXTRACTED: 08/21/1990
DATE COMPLETED: 08/23/1990

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Gasoline Range	83%
Diesel Range	-
Motor Oil Range	83%
Total Petroleum Hydrocarbons	

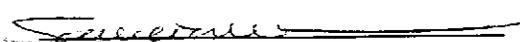
CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

* Reagent spike set is used due to matrix interference.


Sandia Kao
Senior Chemist, Organic Group

August 27, 1990
Date



EUREKA LABORATORIES, INC.

Corporate Office:
6790 FLORIN PERKINS ROAD
SACRAMENTO, CA 95828
TEL: (916) 381-7953
FAX: (916) 381-4013

Branch Office:
12121 NORTHUP WAY, SUITE 212
BELLEVUE, WA 98005
TEL: (206) 885-0284
FAX: (206) 885-6162

Air Pollution
Chemical Analysis,
Research & Testing
Environmental Studies
Robotics
Toxicology

August 24, 1990

RECEIVED

Mr. Bill Wikander
SUBSURFACE CONSULTANTS
171 12th Street
Oakland, CA 94607

AUG 24 1990
AM 7,8,9,10,11,12,1,2,3,4,5,6 PM ✓

Reference: ELI No: 90-08-139
Project: 98th & Edes
Job #: 272.016

Dear Mr. Wikander:

Eureka Laboratories, Inc. is pleased to submit a laboratory report for the subject project. This report presents analytical results for one (1) composite soil sample -ONE WEEK RUSH- for the following analyses:

<u>ANALYSIS</u>	<u>METHOD</u>	<u>SAMPLE ID.</u>
Total Lead	EPA 6010	PA-41,42,43,44,45,46,47,48 COMPOSITE
Total Lead (STLC)	EPA 6010	same as above
Total Petroleum Hydrocarbons	EPA 8015 (Modified)	same as above
Aromatic Volatile Organics	EPA 8020	same as above
California Waste Extraction Test (WET)	Title 22	

Sincerely,
EUREKA LABORATORIES, INC.

By: Shao-Pin Yo
Shao-Pin Yo, Ph.D.
Laboratory Director

SPY/pvc

Attachment

TOTAL LEAD
EPA 6010

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-139
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
PROJECT: 98TH & EDES

DATE RECEIVED: 08/15/1990
DATE EXTRACTED: 08/16/1990
DATE COMPLETED: 08/23/1990
DATE SAMPLED: 08/14/1990

<u>SAMPLE ID.</u>	<u>LEAD [mg/Kg(ppm)]</u>
PA-41,42,43,44,45,46,47,48 COMPOSITE	26.8
BLANK	<3.0

* REAGENT SPIKE RECOVERY - 99%
* REAGENT SPIKE RECOVERY DUP. - 99%

DETECTION LIMIT: 3.0 [mg/Kg(ppm)]

* Reagent spike set is used due to matrix interference.

Josie Quiambao
Josie Quiambao
Chemist

August 24, 1990
Date

SOLUBLE THRESHOLD TOTAL LEAD
LIMIT CONCENTRATION (STLC)
EPA 6010

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

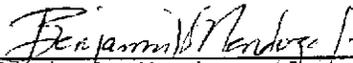
Order No: 90-08-139
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
PROJECT: 98TH & EDES

DATE RECEIVED: 08/15/1990
DATE EXTRACTED: 08/16/1990
DATE COMPLETED: 08/23/1990
DATE SAMPLED: 08/14/1990

<u>SAMPLE ID.</u>	<u>LEAD [mg/L (ppm)]</u>
PA-41,42,43,44,45,46,47,48 COMPOSITE	0.7
BLANK	<0.5
PA-41,42,43,44,45,46,47,48 MATRIX SPIKE RECOVERY -	89%
PA-41,42,43,44,45,46,47,48 MATRIX SPIKE RECOVERY DUP. -	85%

DETECTION LIMIT: 0.5 [mg/L (ppm)]


Benjamin Mendoza, Jr.
Chemist

August 24, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-139
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
PROJECT: 98TH & EDES
SAMPLE ID: BLANK

DATE RECEIVED: 08/15/1990
DATE EXTRACTED: 08/16/1990
DATE COMPLETED: 08/21/1990

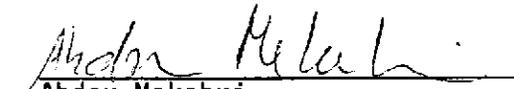
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-

CARBON NO. RANGE

Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-


Abdou Mekebri
Chemist

August 24, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-139
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
PROJECT: 98TH & EDES
SAMPLE ID: PA-41,42,43,44,45,
46,47,48 COMPOSITE

DATE RECEIVED: 08/15/1990
DATE EXTRACTED: 08/16/1990
DATE COMPLETED: 08/21/1990
DATE SAMPLED: 08/14/1990

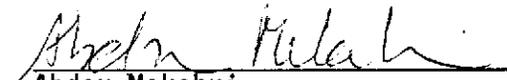
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Gasoline Range	135	5
Diesel Range	<10	10
Motor Oil Range	116	25
Total Petroleum Hydrocarbons	251	-

CARBON NO. RANGE

Gasoline Range	C9-C12	-
Diesel Range	-	-
Motor Oil Range	C18-C28	-

PEAK CARBON NO

Gasoline Range	C10	-
Diesel Range	-	-
Motor Oil Range	C24	-


Abdou Mekebri
Chemist

August 24, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-139
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
PROJECT: 98TH & EDES
SAMPLE ID: MATRIX SPIKE RECOVERY *

DATE RECEIVED: 08/15/1990
DATE EXTRACTED: 08/16/1990
DATE COMPLETED: 08/21/1990

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Gasoline Range	-
Diesel Range	83%
Motor Oil Range	-
Total Petroleum Hydrocarbons	-

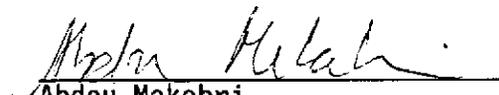
CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Abdou Mekebri
Chemist

August 24, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-139
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS	DATE RECEIVED: 08/15/1990
JOB #: 272.016	DATE EXTRACTED: 08/16/1990
PROJECT: 98TH & EDES	DATE COMPLETED: 08/21/1990
SAMPLE ID: MATRIX SPIKE RECOVERY DUPLICATE *	

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Gasoline Range	-
Diesel Range	97%
Motor Oil Range	-
Total Petroleum Hydrocarbons	-

CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Abdou Mekebri
Chemist

August 24, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

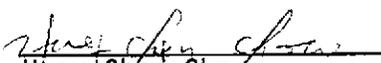
EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-139
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
PROJECT: 98TH & EDES
SAMPLE ID: BLANK

DATE RECEIVED: 08/15/1990
DATE EXTRACTED: 08/16/1990
DATE COMPLETED: 08/20/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1


Huey Chen Chow
Chemist

August 24, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-139
Hazardous Waste Testing
Certification: E765

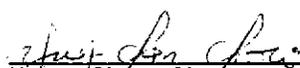
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
PROJECT: 98TH & EDES
SAMPLE ID: PA-41,42,43,44,45,
46,47,48 COMPOSITE

DATE RECEIVED: 08/15/1990
DATE EXTRACTED: 08/16/1990
DATE COMPLETED: 08/20/1990
DATE SAMPLED: 08/14/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	4	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	501	1

Note:

All positively identified compounds were second column confirmed.


Huey-Chen Chow
Chemist

August 24, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

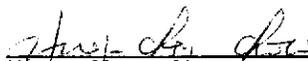
Order No: 90-08-139
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
PROJECT: 98TH & EDES
SAMPLE ID: MATRIX SPIKE RECOVERY *

DATE RECEIVED: 08/15/1990
DATE EXTRACTED: 08/16/1990
DATE COMPLETED: 08/20/1990

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
V1	Benzene	84%
V2	Chlorobenzene	87%
V3	1,2-Dichlorobenzene	82%
V4	1,3-Dichlorobenzene	91%
V5	1,4-Dichlorobenzene	88%
V6	Ethyl benzene	90%
V7	Toluene	91%
V8	Xylenes (Dimethyl benzenes)	90%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Huey-Chen Chow
Chemist

August 24, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

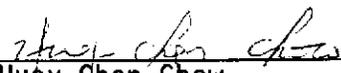
Order No: 90-08-139
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE CONSULTANTS	DATE RECEIVED: 08/15/1990
JOB #: 272.016	DATE EXTRACTED: 08/16/1990
PROJECT: 98TH & EDES	DATE COMPLETED: 08/20/1990
SAMPLE ID: MATRIX SPIKE RECOVERY DUPLICATE *	

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
----------------------------	-----------------	-----------------------

V1	Benzene	79%
V2	Chlorobenzene	88%
V3	1,2-Dichlorobenzene	75%
V4	1,3-Dichlorobenzene	90%
V5	1,4-Dichlorobenzene	85%
V6	Ethyl benzene	90%
V7	Toluene	90%
V8	Xylenes (Dimethyl benzenes)	89%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Huey-Chen Chow August 24, 1990
Chemist Date



EUREKA LABORATORIES, INC.

Corporate Office:
6790 FLORIN PERKINS ROAD
SACRAMENTO, CA 95828
TEL: (916) 381-7953
FAX: (916) 381-4013

Branch Office:
12121 NORTHUP WAY, SUITE 212
BELLEVUE, WA 98005
TEL: (206) 885-0284
FAX: (206) 885-6162

Air Pollution
Chemical Analysis,
Research & Testing
Environmental Studies
Robotics
Toxicology

RECEIVED

AUG 16 1990

August 15, 1990

AM
7 8 9 10 11 12 1 2 3 4 5 6 PM ✓

Mr. Bill Wikander
SUBSURFACE CONSULTANTS
171 12th Street
Oakland, CA 94607

Reference: ELI Order No: 90-08-067
Project: 98th & Edes
SCI Job #: 272.016

Dear Mr. Wikander:

Eureka Laboratories, Inc. is pleased to submit a laboratory report for the subject project. This report presents analytical results for two (2) composited soil samples-ONE WEEK RUSH-for the following analyses:

<u>ANALYSIS</u>	<u>METHOD</u>	<u>SAMPLE ID.</u>
Aromatic Volatile Organics	EPA 8020	PA33,34,35,36,37,39,40 COMP.
Total Petroleum Hydrocarbons	EPA 8015 (Modified)	SP103,104,105,106 COMP., & PA33,35,36,37,38,39,40 COMP.
STLC/Lead	EPA 6010	PA33,34,35,36,37,39,40 COMP.
Lead	EPA 6010	same as above

Sincerely,
EUREKA LABORATORIES, INC.

By: Shao-Pin Yo
Shao-Pin Yo, Ph.D.
Laboratory Director

SPY/jj

Attachment

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-067
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: BLANK

DATE RECEIVED: 08/07/1990
DATE EXTRACTED: 08/08/1990
DATE COMPLETED: 08/13/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow August 15, 1990
Huey-Chen Chow Date
Chemist

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-067
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: PA33,34,34,36,37,38,39,40
COMPOSITE

DATE RECEIVED: 08/07/1990
DATE EXTRACTED: 08/08/1990
DATE COMPLETED: 08/13/1990
DATE SAMPLED: 08/07/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	4	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	17	1
V7	Toluene	22	1
V8	Xylenes (Dimethyl benzenes)	261	1

Note:

All positively identified compounds were second column confirmed.


Huey-Chen Chow
Chemist

August 15, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-067
Hazardous Waste Testing
Certification: E765

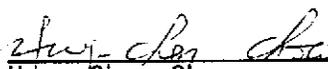
CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: MATRIX SPIKE RECOVERY *

DATE RECEIVED: 08/07/1990
DATE EXTRACTED: 08/08/1990
DATE COMPLETED: 08/13/1990

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
----------------------------	-----------------	-----------------------

V1	Benzene	100%
V2	Chlorobenzene	99%
V3	1,2-Dichlorobenzene	102%
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	101%
V7	Toluene	110%
V8	Xylenes (Dimethyl benzenes)	102%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Huey-Chen Chow
Chemist

August 15, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-067
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 08/07/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 08/08/1990
SCI JOB #: 272.016	DATE COMPLETED: 08/13/1990
SAMPLE ID: MATRIX SPIKE RECOVERY DUP. *	

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
V1	Benzene	84%
V2	Chlorobenzene	85%
V3	1,2-Dichlorobenzene	89%
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	84%
V7	Toluene	100%
V8	Xylenes (Dimethyl benzenes)	88%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Huey Chen Chow
Chemist

August 15, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-067
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: BLANK

DATE RECEIVED: 08/07/1990
DATE EXTRACTED: 08/08/1990
DATE COMPLETED: 08/13/1990

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-

CARBON NO. RANGE

Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-



Mark Shih, Ph.D.
Chemist

August 15, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-067
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 08/07/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 08/08/1990
SCI JOB #: 272.016	DATE COMPLETED: 08/13/1990
SAMPLE ID: SP103,104,105,106 COMPOSITE	DATE SAMPLED: 08/07/1990

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Gasoline Range	1320	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	1320	-

CARBON NO. RANGE

Gasoline Range	C9-C12	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Gasoline Range	C10	-
Diesel Range	-	-
Motor Oil Range	-	-



Mark Shih, Ph.D.
Chemist

August 15, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-067
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: PA33,34,35,36,37,38,39,40
COMPOSITE

DATE RECEIVED: 08/07/1990
DATE EXTRACTED: 08/08/1990
DATE COMPLETED: 08/13/1990
DATE SAMPLED: 08/07/1990

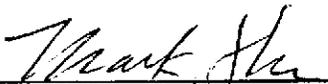
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Gasoline Range	34	5
Diesel Range	<10	10
Motor Oil Range	104	25
Total Petroleum Hydrocarbons	138	-

CARBON NO. RANGE

Gasoline Range	C9-C12	-
Diesel Range	-	-
Motor Oil Range	C18-C30	-

PEAK CARBON NO

Gasoline Range	C10	-
Diesel Range	-	-
Motor Oil Range	C24	-



Mark Shih, Ph.D.
Chemist

August 15, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-067
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: MATRIX SPIKE RECOVERY *

DATE RECEIVED: 08/07/1990
DATE EXTRACTED: 08/08/1990
DATE COMPLETED: 08/13/1990

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Gasoline Range	-
Diesel Range	82%
Motor Oil Range	-
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.



Mark Shih, Ph.D.
Chemist

August 15, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-067
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 08/07/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 08/08/1990
SCI JOB #: 272.016	DATE COMPLETED: 08/13/1990
SAMPLE ID: MATRIX SPIKE RECOVERY DUP. *	

<u>PETROLEUM HYDROCARBONS</u>	<u>SPIKE RECOVERY</u>
-------------------------------	-----------------------

Gasoline Range	-
Diesel Range	85%
Motor Oil Range	-
Total Petroleum Hydrocarbons	

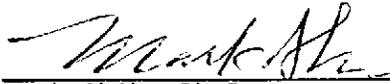
CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.



Mark Shih, Ph.D.
Chemist

August 15, 1990
Date



EUREKA LABORATORIES, INC.

Corporate Office:
6790 FLORIN PERKINS ROAD
SACRAMENTO, CA 95828
TEL: (916) 381-7953
FAX: (916) 381-4013

Branch Office:
12121 NORTHUP WAY, SUITE 212
BELLEVUE, WA 98005
TEL: (206) 885-0284
FAX: (206) 885-6162

Air Pollution
Chemical Analysis,
Research & Testing
Environmental Studies
Robotics
Toxicology

August 9, 1990

RECEIVED

Mr. Bill Wikander
SUBSURFACE CONSULTANTS
171 12th Street
Oakland, CA 94607

AUG 10 1990
AM 7,8,9,10,11,12,1,2,3,4,5,6 PM ✓

Reference: ELI Order No: 90-08-002
Project: 98th & Edes
SCI Job #: 272.016

Dear Mr. Wikander:

Eureka Laboratories, Inc. is pleased to submit a laboratory report for the subject project. This report presents analytical results for two (2) composited soil samples-ONE WEEK RUSH-for the following analyses:

<u>ANALYSIS</u>	<u>METHOD</u>	<u>SAMPLE ID.</u>
Lead	EPA 6010	PA-17,18,19,20,21,22,23,24 COMPOSITE, PA-25,26,27,28, 29,30,31,32 COMPOSITE
STLC/Lead	EPA 6010	same as above
Aromatic Volatile Organics	EPA 8020	same as above
Total Petroleum Hydrocarbons	EPA 8015	same as above

Sincerely,
EUREKA LABORATORIES, INC.

By: Shao-Pin Yo
Shao-Pin Yo, Ph.D.
Laboratory Director

SPY/jj

Attachment

SOLUBLE THRESHOLD LIMIT CONCENTRATION

LEAD
EPA 6010

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-002
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016

DATE RECEIVED: 08/01/1990
DATE EXTRACTED: 08/03/1990
DATE COMPLETED: 08/08/1990
DATE SAMPLED: 08/01/1990

SAMPLE ID

UNITS [mg/L (ppm)]

PA-17,18,19,20,21,22,23,24 COMP. 0.6
PA-25,26,27,28,29,30,31,32 COMP. <0.5

METHOD BLANK <0.5

PA-25,26,27,28,29,30,31,31 COMP. MATRIX SPIKE RECOVERY - 90%
PA-25,26,27,28,29,30,31,31 COMP. MATRIX SPIKE RECOVERY DUP. - 87%

DETECTION LIMIT: 0.5 [mg/L (ppm)]



Tamara Jerome
Chemist

August 9, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

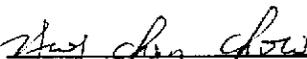
EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-002
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: BLANK

DATE RECEIVED: 08/01/1990
DATE EXTRACTED: 08/04/1990
DATE COMPLETED: 08/08/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1


Huey Chen Chow
Chemist

August 9, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-002
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 08/01/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 08/04/1990
SCI JOB #: 272.016	DATE COMPLETED: 08/08/1990
SAMPLE ID: PA-25,26,27,28,29,30,31,32 COMPOSITE	DATE SAMPLED: 08/01/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	4	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	11	1
V7	Toluene	13	1
V8	Xylenes (Dimethyl benzenes)	69	1

Note:

All positively identified compounds were second column confirmed.

Huey-Chen Chow
Huey-Chen Chow
Chemist

August 9, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-002
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: MATRIX SPIKE RECOVERY *

DATE RECEIVED: 08/01/1990
DATE EXTRACTED: 08/04/1990
DATE COMPLETED: 08/08/1990

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
V1	Benzene	92%
V2	Chlorobenzene	91%
V3	1,2-Dichlorobenzene	89%
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	92%
V7	Toluene	95%
V8	Xylenes (Dimethyl benzenes)	94%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Huey Chen Chow
Huey Chen Chow
Chemist

August 9, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-002
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: MATRIX SPIKE RECOVERY DUP. *

DATE RECEIVED: 08/01/1990
DATE EXTRACTED: 08/04/1990
DATE COMPLETED: 08/08/1990

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
V1	Benzene	102%
V2	Chlorobenzene	102%
V3	1,2-Dichlorobenzene	100%
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	104%
V7	Toluene	107%
V8	Xylenes (Dimethyl benzenes)	106%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Huey-Chen Chow
Huey-Chen Chow
Chemist

August 9, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-002
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: BLANK

DATE RECEIVED: 08/01/1990
DATE EXTRACTED: 08/04/1990
DATE COMPLETED: 08/09/1990

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-

CARBON NO. RANGE

Gasoline Range -
Diesel Range -
Motor Oil Range -

PEAK CARBON NO

Gasoline Range -
Diesel Range -
Motor Oil Range -

Abdou Mekebri
Abdou Mekebri
Chemist

August 9, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-002
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 08/01/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 08/04/1990
SCI JOB #: 272.016	DATE COMPLETED: 08/09/1990
SAMPLE ID: PA-17,18,19,20,21,22,23,24 COMPOSITE	DATE SAMPLED: 08/01/1990

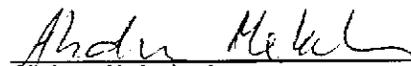
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Gasoline Range	29	5
Diesel Range	<10	10
Motor Oil Range	101	25
Total Petroleum Hydrocarbons	130	-

CARBON NO. RANGE

Gasoline Range	C9-C12	-
Diesel Range	-	-
Motor Oil Range	C18-C30	-

PEAK CARBON NO

Gasoline Range	C10	-
Diesel Range	-	-
Motor Oil Range	C24	-



Abdou Mekebri
Chemist

August 9, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-002
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 08/01/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 08/04/1990
SCI JOB #: 272.016	DATE COMPLETED: 08/09/1990
SAMPLE ID: PA-25,26,27,28,29,30,31,32 COMPOSITE	DATE SAMPLED: 08/01/1990

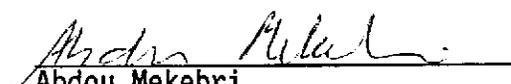
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Gasoline Range	13	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	13	-

CARBON NO. RANGE

Gasoline Range	C9-C12	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Gasoline Range	C10	-
Diesel Range	-	-
Motor Oil Range	-	-


Abdou Mekebri
Chemist

August 9, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-002
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 08/01/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 08/04/1990
SCI JOB #: 272.016	DATE COMPLETED: 08/09/1990
SAMPLE ID: PA-25,26,27,28,29,30,31,32	
COMPOSITE MATRIX SPIKE RECOVERY	

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

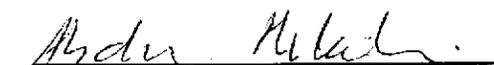
Gasoline Range	98%
Diesel Range	-
Motor Oil Range	92%
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-


Abdou Mekebri
Chemist

August 9, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-08-002
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 08/01/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 08/04/1990
SCI JOB #: 272.016	DATE COMPLETED: 08/09/1990
SAMPLE ID: PA-25,26,27,28,29,30,31,32	
COMPOSITE MATRIX SPIKE RECOVERY DUP.	

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Gasoline Range	101%
Diesel Range	-
Motor Oil Range	89%
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-


Abdou Mekebri
Chemist

August 9, 1990
Date



EUREKA LABORATORIES, INC.

Corporate Office:
6790 FLORIN PERKINS ROAD
SACRAMENTO, CA 95828
TEL: (916) 381-7953
FAX: (916) 381-4013

Branch Office:
12121 NORTHUP WAY, SUITE 212
BELLEVUE, WA 98005
TEL: (206) 885-0284
FAX: (206) 885-6162

Air Pollution
Chemical Analysis,
Research & Testing
Environmental Studies
Robotics
Toxicology

RECEIVED

August 7, 1990

AUG 08 1990
AM 7,8,9,10,11,12,1,2,3,4,5,6 PM ✓

Mr. Bill Wikander
SUBSURFACE CONSULTANTS
171 12th Street
Oakland, CA 94607

Reference: ELI Order No: 90-07-237
Project: 98th & Edes
SCI Job #: 272.016

Dear Mr. Wikander:

Eureka Laboratories, Inc. is pleased to submit a laboratory report for the subject project. This report presents analytical results for two (2) composited soil samples-ONE WEEK RUSH-for the following analyses:

<u>ANALYSIS</u>	<u>METHOD</u>	<u>SAMPLE ID.</u>
STLC/Lead	EPA 6010	PA-1,2,3,4,5,6,7,8 COMP., & PA-9,10,11,12,13,14,15,16 COMP.
Lead	EPA 6010	same as above
Aromatic Volatile Organics	EPA 8020	same as above
Total Petroleum Hydrocarbons	EPA 8015 (Modified)	same as above

Sincerely,
EUREKA LABORATORIES, INC.

By: Shao-Pin Yo
Shao-Pin Yo, Ph.D.
Laboratory Director

SPY/jj

Attachment

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-237
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: BLANK

DATE RECEIVED: 07/30/1990
DATE EXTRACTED: 07/31/1990
DATE COMPLETED: 08/06/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey Chen Chow August 7, 1990
Huey Chen Chow Date
Chemist

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

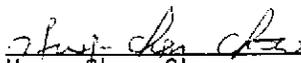
Order No: 90-07-237
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 07/30/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 07/31/1990
SCI JOB #: 272.016	DATE COMPLETED: 08/06/1990
SAMPLE ID: PA-1,2,3,4,5,6,7,8 COMP.	DATE SAMPLED: 07/30/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	5	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	14	1
V7	Toluene	39	1
V8	Xylenes (Dimethyl benzenes)	314	1

Note:

All positively identified compounds were second column confirmed.


Huey-Chen Chow
Chemist

August 7, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

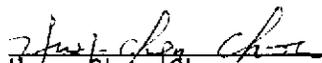
EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-237
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 07/30/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 07/31/1990
SCI JOB #: 272.016	DATE COMPLETED: 08/06/1990
SAMPLE ID: REAGENT SPIKE RECOVERY *	

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
V1	Benzene	89%
V2	Chlorobenzene	90%
V3	1,2-Dichlorobenzene	101%
V4	1,3-Dichlorobenzene	87%
V5	1,4-Dichlorobenzene	92%
V6	Ethyl benzene	91%
V7	Toluene	91%
V8	Xylenes (Dimethyl benzenes)	92%

* Reagent spike set is used due to matrix interference.


Huey-Chen Chow August 7, 1990
Chemist Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-237
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 07/30/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 07/31/1990
SCI JOB #: 272.016	DATE COMPLETED: 08/06/1990
SAMPLE ID: REAGENT SPIKE RECOVERY DUP. *	

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
V1	Benzene	98%
V2	Chlorobenzene	96%
V3	1,2-Dichlorobenzene	97%
V4	1,3-Dichlorobenzene	93%
V5	1,4-Dichlorobenzene	97%
V6	Ethyl benzene	99%
V7	Toluene	99%
V8	Xylenes (Dimethyl benzenes)	99%

* Reagent spike set is used due to matrix interference.

Huey Chen Chow August 7, 1990
Huey Chen Chow Date
Chemist

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-237
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE
PROJECT: 98TH & EDES
SCI JOB #: 272.016
SAMPLE ID: BLANK

DATE RECEIVED: 07/30/1990
DATE EXTRACTED: 07/31/1990
DATE COMPLETED: 08/02/1990

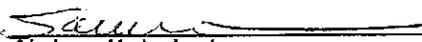
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-

CARBON NO. RANGE

Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-


Abdou Mekebri
Chemist

August 7, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-237
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 07/30/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 07/31/1990
SCI JOB #: 272.016	DATE COMPLETED: 08/02/1990
SAMPLE ID: PA-1,2,3,4,5,6,7,8 COMP.	DATE SAMPLED: 07/30/1990

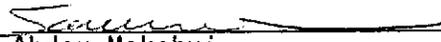
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
Gasoline Range	53	5
Diesel Range	<10	10
Motor Oil Range	84	25
Total Petroleum Hydrocarbons	137	-

CARBON NO. RANGE

Gasoline Range	C9-C12	-
Diesel Range	-	-
Motor Oil Range	C18-C30	-

PEAK CARBON NO

Gasoline Range	C10	-
Diesel Range	-	-
Motor Oil Range	C24	-


Abdou Mekebri
Chemist

August 7, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-237
Hazardous Waste Testing
Certification: E765

CLIENT: SUBSURFACE	DATE RECEIVED: 07/30/1990
PROJECT: 98TH & EDES	DATE EXTRACTED: 07/31/1990
SCI JOB #: 272.016	DATE COMPLETED: 08/02/1990
SAMPLE ID: PA-9,10,11,12,13,14,15,16 COMP.	DATE SAMPLED: 07/30/1990

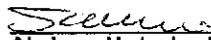
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Gasoline Range	73	5
Diesel Range	<10	10
Motor Oil Range	95	25
Total Petroleum Hydrocarbons	168	-

CARBON NO. RANGE

Gasoline Range	C9-C12	-
Diesel Range	-	-
Motor Oil Range	C18-C30	-

PEAK CARBON NO

Gasoline Range	C10	-
Diesel Range	-	-
Motor Oil Range	C24	-


Abdou Mekebri
Chemist

August 7, 1990
Date



EUREKA LABORATORIES, INC.

Air Pollution
Chemical Analysis,
Research & Testing
Environmental Studies
Robotics
Toxicology

Corporate Office:
6790 FLORIN PERKINS ROAD
SACRAMENTO, CA 95828
TEL: (916) 381-7953
FAX: (916) 381-4013

Branch Office:
12121 NORTHUP WAY, SUITE 212
BELLEVUE, WA 98005
TEL: (206) 885-0284
FAX: (206) 885-6162

RECEIVED

August 1, 1990

AUG -2 1990
AM 7,8,9,10,11,12,1,2,3,4,5,6 PM

Mr. Bill Wikander
SUBSURFACE CONSULTANTS
171 12th Street
Oakland, CA 94607

Reference: ELI No: 90-07-171
Job #: 272.016

Dear Mr. Wikander:

Eureka Laboratories, Inc. is pleased to submit a laboratory report for the subject project. This report presents analytical results for four (4) composite soil samples -ONE WEEK RUSH- for the following analyses:

<u>ANALYSIS</u>	<u>METHOD</u>	<u>SAMPLE ID.</u>
Total Lead	EPA 6010	SP87-90, 99-102 COMPOSITE
Total Lead (STLC)	EPA 6010	same as above
Aromatic Volatile Organics	EPA 8020	same as above
Total Petroleum Hydrocarbons	EPA 8015 (Modified)	SP83-86 COMPOSITE, SP87-90, 99-102 COMPOSITE, SP95-98 COMPOSITE, SP91-94 COMPOSITE
California Waste Extraction Test (WET)	Title 22	

Sincerely,
EUREKA LABORATORIES, INC.

By: Shao-Pin Yo
Shao-Pin Yo, Ph.D.
Laboratory Director

SPY/pvc

Attachment

TOTAL LEAD
EPA 6010

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-171
Hazardous Waste Testing
Certification: 108

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
DATE SAMPLED: 07/20/1990

DATE RECEIVED: 07/23/1990
DATE EXTRACTED: 07/25/1990
DATE COMPLETED: 07/28/1990

SAMPLE ID. LEAD [mg/Kg(ppm)]

SP87-90, 99-102 COMPOSITE 34.1

BLANK <3.0

*MATRIX SPIKE RECOVERY - 83%
*MATRIX SPIKE RECOVERY DUP. - 85%

DETECTION LIMIT: 3.0 [mg/Kg(ppm)]

*This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Josie Quiambao
Josie Quiambao
Chemist

August 1, 1990
Date

TOTAL LEAD
SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC)
EPA Method 6010

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-171
Hazardous Waste Testing
Certification: 108

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
DATE SAMPLED: 07/20/1990

DATE RECEIVED: 07/23/1990
DATE EXTRACTED: 07/25/1990
DATE COMPLETED: 07/28/1990

SAMPLE ID.

LEAD [mg/L (ppm)]

SP87-90, 99-102 COMPOSITE

<0.25

METHOD BLANK

<0.25

SP87-90, 99-102 COMPOSITE MATRIX SPIKE RECOVERY - 80%

SP87-90, 99-102 COMPOSITE MATRIX SPIKE RECOVERY DUPLICATE - 81%

DETECTION LIMIT: 0.25 [mg/L (ppm)]

This detection limit is based on dilution factor of 5.

Josie Quiambao
Josie Quiambao
Chemist

August 1, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-171
Hazardous Waste Testing
Certification: 108

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
SAMPLE ID: BLANK

DATE RECEIVED: 07/23/1990
DATE EXTRACTED: 07/24/1990
DATE COMPLETED: 07/26/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow
Huey-Chen Chow
Chemist

August 1, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-171
Hazardous Waste Testing
Certification: 108

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
SAMPLE ID: SP87-90, 99-102 COMPOSITE

DATE RECEIVED: 07/23/1990
DATE EXTRACTED: 07/24/1990
DATE COMPLETED: 07/26/1990
DATE SAMPLED: 07/20/1990

COMP. NO.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	2	1

Note:

All positively identified compounds were second column confirmed.


Huey-Chen Chow
Chemist

August 1, 1990
Date

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-171
Hazardous Waste Testing
Certification: 108

CLIENT: SUBSURFACE CONSULTANTS	DATE RECEIVED: 07/23/1990
JOB #: 272.016	DATE EXTRACTED: 07/24/1990
SAMPLE ID: MATRIX SPIKE RECOVERY *	DATE COMPLETED: 07/26/1990

<u>COMP. NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
V1	Benzene	88%
V2	Chlorobenzene	92%
V3	1,2-Dichlorobenzene	91%
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	102%
V7	Toluene	93%
V8	Xylenes (Dimethyl benzenes)	102%

*This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Huey-Chen Chow August 1, 1990
Huey-Chen Chow Date
Chemist

ORGANIC ANALYSIS REPORT
Aromatic Volatile Organics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-171
Hazardous Waste Testing
Certification: 108

CLIENT: SUBSURFACE CONSULTANTS	DATE RECEIVED: 07/23/1990
JOB #: 272.016	DATE EXTRACTED: 07/24/1990
SAMPLE ID: MATRIX SPIKE RECOVERY DUP. *	DATE COMPLETED: 07/26/1990

<u>COMP.</u> <u>NO.</u>	<u>COMPOUND</u>	<u>SPIKE RECOVERY</u>
V1	Benzene	88%
V2	Chlorobenzene	90%
V3	1,2-Dichlorobenzene	97%
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	100%
V7	Toluene	92%
V8	Xylenes (Dimethyl benzenes)	100%

*This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Shaw-R-40 for
Huey-Chen Chow August 1, 1990
Chemist Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-171
Hazardous Waste Testing
Certification: 108

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
SAMPLE ID: BLANK

DATE RECEIVED: 07/23/1990
DATE EXTRACTED: 07/24/1990
DATE COMPLETED: 07/25/1990

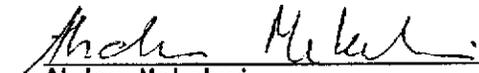
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	-	-

CARBON NO. RANGE

Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Gasoline Range	-	-
Diesel Range	-	-
Motor Oil Range	-	-


Abdou Mekebri
Chemist

August 1, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-171
Hazardous Waste Testing
Certification: 108

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
SAMPLE ID: SP83-86 COMPOSITE

DATE RECEIVED: 07/23/1990
DATE EXTRACTED: 07/24/1990
DATE COMPLETED: 07/25/1990
DATE SAMPLED: 07/20/1990

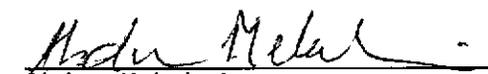
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg(ppm)]	<u>DETECTION LIMIT</u> [mg/Kg(ppm)]
Gasoline Range	264	5
Diesel Range	<10	10
Motor Oil Range	29	25
Total Petroleum Hydrocarbons	293	-

CARBON NO. RANGE

Gasoline Range	C9-C12	-
Diesel Range	-	-
Motor Oil Range	C18-C30	-

PEAK CARBON NO

Gasoline Range	C10	-
Diesel Range	-	-
Motor Oil Range	C24	-


Abdou Mekebri
Chemist

August 1, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-171
Hazardous Waste Testing
Certification: 108

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
SAMPLE ID: SP87-90, 99-102 COMPOSITE

DATE RECEIVED: 07/23/1990
DATE EXTRACTED: 07/24/1990
DATE COMPLETED: 07/25/1990
DATE SAMPLED: 07/20/1990

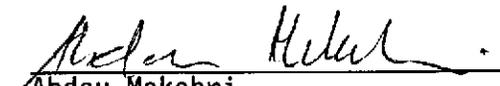
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>DETECTION LIMIT</u> <u>[mg/Kg (ppm)]</u>
Gasoline Range	25	5
Diesel Range	<10	10
Motor Oil Range	33	25
Total Petroleum Hydrocarbons	58	-

CARBON NO. RANGE

Gasoline Range	C9-C12	-
Diesel Range	-	-
Motor Oil Range	C18-C30	-

PEAK CARBON NO

Gasoline Range	C10	-
Diesel Range	-	-
Motor Oil Range	C24	-


Abdou Mekebri
Chemist

August 1, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-171
Hazardous Waste Testing
Certification: 108

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
SAMPLE ID: SP95-98 COMPOSITE

DATE RECEIVED: 07/23/1990
DATE EXTRACTED: 07/24/1990
DATE COMPLETED: 07/25/1990
DATE SAMPLED: 07/20/1990

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
-------------------------------	---------------------------------------	-----------------------------------------

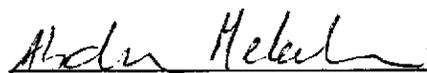
Gasoline Range	886	5
Diesel Range	<10	10
Motor Oil Range	71	25
Total Petroleum Hydrocarbons	957	-

CARBON NO. RANGE

Gasoline Range	C9-C12	-
Diesel Range	-	-
Motor Oil Range	C18-C30	-

PEAK CARBON NO

Gasoline Range	C10	-
Diesel Range	-	-
Motor Oil Range	C24	-


Abdou Mekebri
Chemist

August 1, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-171
Hazardous Waste Testing
Certification: 108

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
SAMPLE ID: SP91-94 COMPOSITE

DATE RECEIVED: 07/23/1990
DATE EXTRACTED: 07/24/1990
DATE COMPLETED: 07/25/1990
DATE SAMPLED: 07/20/1990

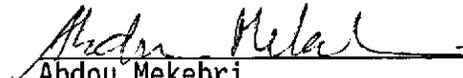
<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [mg/Kg (ppm)]	<u>DETECTION LIMIT</u> [mg/Kg (ppm)]
Gasoline Range	86	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	86	-

CARBON NO. RANGE

Gasoline Range	C9-C12	-
Diesel Range	-	-
Motor Oil Range	-	-

PEAK CARBON NO

Gasoline Range	C10	-
Diesel Range	-	-
Motor Oil Range	-	-


Abdou Mekebri
Chemist

August 1, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-171
Hazardous Waste Testing
Certification: 108

CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
SAMPLE ID: MATRIX SPIKE RECOVERY *

DATE RECEIVED: 07/23/1990
DATE EXTRACTED: 07/24/1990
DATE COMPLETED: 07/25/1990

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Gasoline Range
Diesel Range
Motor Oil Range
Total Petroleum Hydrocarbons

-
92%
-

CARBON NO. RANGE

Gasoline Range
Diesel Range
Motor Oil Range

-
-
-

PEAK CARBON NO

Gasoline Range
Diesel Range
Motor Oil Range

-
-
-

*This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Abdou Mekebri
Chemist

August 1, 1990
Date

TOTAL PETROLEUM HYDROCARBONS
MODIFIED EPA METHOD 8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 90-07-171
Hazardous Waste Testing
Certification: 108

CLIENT: SUBSURFACE CONSULTANTS	DATE RECEIVED: 07/23/1990
JOB #: 272.016	DATE EXTRACTED: 07/24/1990
SAMPLE ID: MATRIX SPIKE RECOVERY DUP. *	DATE COMPLETED: 07/25/1990

PETROLEUM HYDROCARBONS

SPIKE RECOVERY

Gasoline Range	-
Diesel Range	89%
Motor Oil Range	-
Total Petroleum Hydrocarbons	-

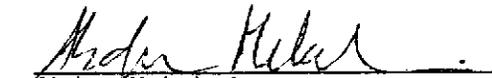
CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

*This set of matrix spike is from another sample of the same matrix and of the same analytical batch.


Abdou Mekebri
Chemist

August 1, 1990
Date



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 07/18/90
DATE REPORTED: 07/26/90
PAGE 1 OF 6

LAB NUMBER: 101105

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 1 SOIL COMPOSITE

PROJECT #: 272.016
LOCATION: 98TH & EDES

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

Berkeley

Wilmington

Los Angeles



LAB NUMBER: 101105
CLIENT: SUBSURFACE CONSULTANTS
PROJECT # : 272.016
LOCATION: 98TH & EDES

DATE RECEIVED: 07/18/90
DATE ANALYZED: 07/24/90
DATE REPORTED: 07/26/90
PAGE 2 OF 6

ANALYSIS: HYDROCARBON OIL AND GREASE
METHOD: SMWW 17:5520F (503E)

LAB ID	SAMPLE ID	RESULT	UNITS	REPORTING LIMIT
101105-5	SP A-D	ND	mg /Kg	50

ND = Not detected at or above reporting limit

QA/QC SUMMARY

RPD, %	2
RECOVERY, %	84

LABORATORY NUMBER: 101105
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 272.016
 LOCATION: 98TH & EDES

DATE RECEIVED: 07/18/90
 DATE EXTRACTED: 07/20/90
 DATE ANALYZED: 07/23/90
 DATE REPORTED: 07/26/90
 PAGE 3 OF 6

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	CLIENT ID	KEROSENE RANGE (mg / Kg)	DIESEL RANGE (mg / Kg)	REPORTING LIMIT (mg / Kg)
101105-5	SP A-D	ND	30	10

ND = Not Detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	3
RECOVERY, %	81



LABORATORY NUMBER: 101105
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 272.016
JOB LOCATION: 98TH & EDES

DATE RECEIVED: 07/18/90
DATE ANALYZED: 07/25/90
DATE REPORTED: 07/26/90
PAGE 4 OF 6

Total Volatile Hydrocarbons with BTXE in Soils & Wastes
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
101105-5	SP A-D	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	1
RECOVERY, %	103

LABORATORY NUMBER: 101105
CLIENT: SUBSURFACE CONSULTANTS
LOCATION: 98TH & EDES
PROJECT #: 272.016

DATE RECEIVED: 07/18/90
DATE ANALYZED: 07/20/90
DATE REPORTED: 07/26/90
PAGE 5 OF 6

=====
ANALYSIS: LEAD
ANALYSIS METHOD: EPA 7420
=====

LAB ID	SAMPLE ID	RESULT	UNITS	REPORTING LIMIT
101105-5	SP A-D	17	mg /Kg	2.5

QA/QC SUMMARY

=====
RPD, % 3
RECOVERY, % 93
=====

LABORATORY NUMBER: 101105
CLIENT: SUBSURFACE CONSULTANTS
PROJECT #: 272.016
LOCATION: 98TH & EDES

DATE RECEIVED: 07/18/90
DATE ANALYZED: 07/25/90
DATE REPORTED: 07/26/90
PAGE 6 OF 6

=====

ANALYSIS: SOLUBLE LEAD
EXTRACTION BY WASTE EXTRACTION TEST: CCR TITLE 26 SECTION 22-66700

=====

LAB ID	CLIENT ID	RESULT	UNITS	REPORTING LIMIT
101105-5	SP A-D	0.68	mg/L	0.05

QA/QC SUMMARY

=====

RPD, %	2
RECOVERY, %	100

=====



GTEL

ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region

4080 Pike Lane
Concord, CA 94520
(415) 685-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California

Client: Subsurface Cons.
Project Number: SFB-999-0243.72
Location: 98th & Edes,
Oakland, CA
Date Analyzed: 07/09/90

Table 1
TEST RESULTS

Total Petroleum Hydrocarbons as Gasoline
Modified EPA Method 8015 (GC/FID)
Matrix: Soil
Units: mg/kg

Sample ID	Depth (ft)	Total Petroleum Hydrocarbons as Gasoline	Remarks
SW-1	9	<MDL	Side Wall Sample
SW-2	12	81	Side Wall Sample
Sand Bakfl U	2-5	<MDL	Backfill Material
Sand Bakfl- L	5-12	1600	Backfill Material
SP-1	N/A	<MDL	Soil Pile Composite
SP-2	N/A	96	Soil Pile Composite
B-2	13.5	1700	Bottom Sample
SP-3	N/A	<MDL	Soil Pile Composite
SP-4	N/A	<MDL	Soil Pile Composite
SP-5	N/A	<MDL	Soil Pile Composite
SP-6	N/A	39	Soil Pile Composite
SP-7	N/A	<MDL	Soil Pile Composite
SP-8	N/A	170	Soil Pile Composite
SP-9	N/A	<MDL	Soil Pile Composite
SP-10	N/A	67	Soil Pile Composite
SP-11	N/A	66	Soil Pile Composite
SP-12	N/A	300	Soil Pile Composite

CA Certification number: E628

MDL = Method detection limit; compound below this level would not be detected.
Results rounded to two significant figures.

Method detection limit: 10 mg/Kg (ppm)

N/A = Not Applicable

Client: Subsurface Cons.
Project Number: SFB-999-0243.72
Location: 98th & Edes,
Oakland, CA
Date Analyzed: 07/09/90

Table 1 (continued)
TEST RESULTS

Total Petroleum Hydrocarbons as Gasoline
Modified EPA Method 8015 (GC/FID)
Matrix: Soil

Sample ID	Depth (ft)	Total Petroleum Hydrocarbons as Gasoline	Remarks
SP-13	N/A	130	Soil Pile Composite
SP-14	N/A	540	Soil Pile Composite
NW-2	10	260	Side Wall Sample
SP-15	N/A	750	Soil Pile Composite
SW-3	10	430	Side Wall Sample
SP-16	N/A	340	Soil Pile Composite
SP-17	N/A	300	Soil Pile Composite
SP-18	N/A	1600	Soil Pile Composite
B-3-10	10	1400	Bottom Sample
SW-4	9	210	Side Wall Sample
B3-12	12	3100	Bottom Sample
WW-1	9	2000	Side Wall Sample
SP-19	N/A	4600	Soil Pile Composite
NW-3	9	420	Side Wall Sample
NW-1	9	< MDL	Side Wall Sample
B-1	10	790	Bottom Sample

CA Certification number: E628

MDL = Method detection limit; compound below this level would not be detected.
Results rounded to two significant figures.

Method detection limit: 10 mg/Kg (ppm)

N/A = Not Applicable



Curtis & Tompkins, Ltd., Analytical Laboratories, Suite 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

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AM 7, 8, 9, 10, 11, 12, 1, 2, 3, 4, 5, 6 PM

DATE RECEIVED: 07/12/90

DATE REPORTED: 07/19/90

PAGE 1 OF 3

LAB NUMBER: 101046

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 2 WATER SAMPLES

PROJECT #: 272.016
LOCATION: 98TH & EDES

RESULTS: SEE ATTACHED

Ade

QA/QC Approval

[Signature]

Final Approval



LABORATORY NUMBER: 101046
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
LOCATION: 98TH & EDES

DATE RECEIVED: 07/12/90
DATE EXTRACTED: 07/13/90
DATE ANALYZED: 07/17/90
DATE REPORTED: 07/19/90
PAGE 2 OF 3

Extractable Petroleum Hydrocarbons in Aqueous Solutions
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	KEROSENE RANGE (mg/L)	DIESEL RANGE (mg/L)	REPORTING LIMIT (mg/L)
101046-1	EXC #1	ND	2.4	0.5
101046-2	EXC #2	ND	ND	5.0

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	23
RECOVERY, %	77

LABORATORY NUMBER: 101046
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 272.016
 JOB LOCATION: 98TH & EDES

DATE RECEIVED: 07/12/90
 DATE ANALYZED: 07/18/90
 DATE REPORTED: 07/19/90
 PAGE 3 OF 3

Total Volatile Hydrocarbons with BTXE in Aqueous Solutions
 TVH by California DOHS Method/LUFT Manual October 1989
 BTXE by EPA 5030/8020

LAB ID	CLIENT ID	TVH AS GASOLINE (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL BENZENE (ug/L)	TOTAL XYLENES (ug/L)
101046-1	EXC #1	30,000	730	800	ND(5.0)	4,200
101046-2	EXC #2	170,000	9,700	20,000	3,100	14,000

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	108



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 07/12/90
DATE REPORTED: 07/16/90
PAGE 1 OF 2

LAB NUMBER: 101045

CLIENT: SUBSURFACE CONSULTANTS

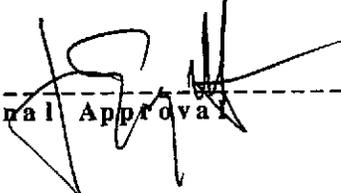
REPORT ON: 4 SOIL COMPOSITES

PROJECT #: 272.016
LOCATION: 98TH & EDES

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval



LABORATORY NUMBER: 101045
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 272.016
JOB LOCATION: 98TH & EDES

DATE RECEIVED: 07/12/90
DATE ANALYZED: 07/15/90
DATE REPORTED: 07/16/90
PAGE 2 OF 2

Total Volatile Hydrocarbons with BTXE in Soils & Wastes
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
101045-15	SP68-71	4,400	6,000	120,000	97,000	510,000
101045-16	SP72-75	430	120	3,200	4,500	28,000
101045-17	SP76-79	280	200	3,000	3,000	18,000
101045-18	SP80-81	8.7	ND(5.0)	8.0	16	140

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

```

=====
RPD, %                               1
RECOVERY, %                           106
=====

```



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2323 Fifth Street, Berkeley, CA 94710. Phone (415) 486-0900

DATE RECEIVED: 07/12/90
DATE REPORTED: 07/26/90

LAB NUMBER: 101025

CLIENT: SUBSURFACE CONSULTANTS

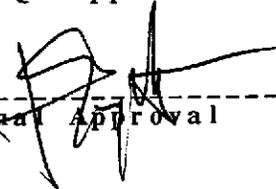
REPORT ON: 3 SOIL COMPOSITES

PROJECT #: 272.016
LOCATION: 98TH & EDES

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

Berkeley

Wilmington

Los Angeles



LABORATORY NUMBER: 101025
CLIENT: SUBSURFACE CONSULTANTS
PROJECT #: 272.016
LOCATION: 98TH & EDES

DATE RECEIVED: 07/12/90
DATE ANALYZED: 07/13/90
DATE REPORTED: 07/26/90

=====

ANALYSIS: SOLUBLE LEAD
EXTRACTION BY WASTE EXTRACTION TEST: CCR TITLE 26 SECTION 22-66700

=====

LAB ID	CLIENT ID	RESULT	UNITS	REPORTING LIMIT
101025-66	SP1-8	0.16	mg/L	0.05
101025-67	SP9,32-38	0.38	mg/L	0.05
101025-73	SP39-44	0.44	mg/L	0.05

QA/QC SUMMARY

=====

RPD, %	2
RECOVERY, %	102

=====



LABORATORY NUMBER: 101025
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
LOCATION: 98TH & EDES

DATE RECEIVED: 07/12/90
DATE EXTRACTED: 07/12/90
DATE ANALYZED: 07/12/90
DATE REPORTED: 07/26/90

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	GASOLINE RANGE (mg/Kg)	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT (mg/Kg)
101025-66	SP1-8	ND	ND	ND	10
101025-67	SP9,32-38	ND	ND	ND	10
101025-73	SP39-44	ND	ND	ND	10

ND = Not Detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	3
RECOVERY, %	83



LABORATORY NUMBER: 101025
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 272.016
JOB LOCATION: 98TH & EDES

DATE RECEIVED: 07/12/90
DATE ANALYZED: 07/12/90
DATE REPORTED: 07/26/90

Total Volatile Hydrocarbons with BTXE in Soils & Wastes
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
101025-66	SP1-8	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
101025-67	SP9,32-38	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
101025-73	SP39-44	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	5.6

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	108



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DATE RECEIVED: 07/12/90

DATE REPORTED: 07/26/90

LAB NUMBER: 101025

CLIENT: SUBSURFACE CONSULTANTS

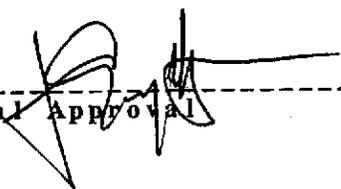
REPORT ON: 11 SOIL COMPOSITES

PROJECT #: 272.016
LOCATION: 98TH & EDES

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

LABORATORY NUMBER: 101025
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 272.016
 LOCATION: 98TH & EDES

DATE RECEIVED: 07/12/90
 DATE EXTRACTED: 07/12/90
 DATE ANALYZED: 07/12/90
 DATE REPORTED: 07/26/90

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	CLIENT ID	GASOLINE RANGE (mg /Kg)	KEROSENE RANGE (mg /Kg)	DIESEL RANGE (mg /Kg)	REPORTING LIMIT (mg /Kg)
101025-68	SP10-13	670	ND	110	10
101025-69	SP14-17	2,900	ND	ND	100
101025-70	SP18-21	2,000	ND	ND	100
101025-71	SP22-25	390	ND	130	10
101025-72	SP26-29	17	ND	ND	10
101025-74	SP45-48	1,400	ND	ND	100
101025-75	SP49-52	140	ND	52	10
101025-76	SP53-56	260	ND	60	10
101025-77	SP57-60	480	ND	110	10
101025-78	SP61-64	2,500	ND	ND	100
101025-79	SP65-67	3,100	ND	230	100

ND = Not Detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	3
RECOVERY, %	83



LABORATORY NUMBER: 101025
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 272.016
LOCATION: 98TH & EDES

DATE RECEIVED: 07/12/90
DATE ANALYZED: 07/13/90
DATE REPORTED: 07/26/90

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	TVH AS GASOLINE (mg /Kg)	REPORTING LIMIT (mg /Kg)
101025-68	SP10-13	200	50
101025-69	SP14-17	1,800	50
101025-70	SP18-21	960	5.0
101025-71	SP22-25	40	1.0
101025-72	SP26-29	14	1.0
101025-74	SP45-48	640	50
101025-75	SP49-52	8.3	1.0
101025-76	SP53-56	86	5.0
101025-77	SP57-60	230	5.0
101025-78	SP61-64	1,600	50
101025-79	SP65-67	1,800	50

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	108



Curtis & Tompkins, Ltd., Analytical Laboratories, 914 1878

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JUL 27 1990

AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

DATE RECEIVED: 07/10/90
DATE REPORTED: 07/19/90
PAGE 1 OF 2

LAB NUMBER: 101101

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 3 SOIL COMPOSITES

PROJECT #: 272.016
LOCATION: 98TH & EDES

RESULTS: SEE ATTACHED

QA/QC Approval *Jan Wang*

Final Approval *[Signature]*

LABORATORY NUMBER: 101101
 CLIENT: SUBSURFACE CONSULTANTS
 LOCATION: 98TH & EDES
 PROJECT #: 272.016

DATE RECEIVED: 07/10/90
 DATE REQUESTED: 07/18/90
 DATE ANALYZED: 07/19/90
 DATE REPORTED: 07/19/90
 PAGE 2 OF 2

=====
 ANALYSIS: LEAD
 ANALYSIS METHOD: EPA 7420
 =====

LAB ID	SAMPLE ID	RESULT	UNITS	REPORTING LIMIT
101101-1	SP1-8	12	mg/Kg	2.5
101101-2	SP9,32-38	22	mg/Kg	2.5
101101-3	SP39-44	19	mg/Kg	2.5

QA/QC SUMMARY

=====
 RPD, % 2
 RECOVERY, % 96
 =====

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 98th & EDES
 SCI Job Number: 272.016
 Project Contact at SCI: BILL WIKANDER
 Sampled By: JAIRO LOPEZ
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: 3 DAYS

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA48A	SOIL	BRASS TUBE	10/22/90		TVH	8015
PA48B						
PA56A						
PA56B						
PA64A						
PA64B						
PA72A						
PA72B						

* * * * *

Released by: *Jairo Lopez* Date: 10-22-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: *Vernice Walker* Date: 10/22/90 320⁰
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 98TH & EDES
 SCI Job Number: 272-016
 Project Contact at SCI: BILL WIKANDER
 Sampled By: JAIRO LOPEZ
 Analytical Laboratory: CURTIS & TOMPKIOS
 Analytical Turnaround: 3 DAYS

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA77A	SOIL	BRASS TUBE	10/22/90		TUH	BOIS
PA77B	↓	↓	↓		TOTAL LEAD	
PA77C	↓	↓	↓		SOLUBLE LEAD	CAM-WET
PA77D	↓	↓	↓			

COMPOSITE

COMPOSITE

* * * * *

Released by: *Jairo Lopez* Date: 10-22-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: *Nancy Peters* Date: 10/22/90 320P
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 98th ; EDES

SCI Job Number: 272.016

Project Contact at SCI: BILL WIKALTER

Sampled By: SABO LOPEZ

Analytical Laboratory: EUREKA

Analytical Turnaround: 2 DAY

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA73	SOIL	BRASS TUBE	9/13/90		TPH	DHS/LUPT
PA74					EXE	EDRD
PA75						
PA76						
PA77						

COMPOSITE

COMPOSITE

* * * * *

Released by: *[Signature]* Date: SEP-13-90

Released by Courier: _____ Date: _____

Received by Laboratory: Vincent Charming Date: 9/13/90 1:00p

Relinquished by Laboratory: _____ Date: _____

Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 98th & Edes
 SCI Job Number: 272.016
 Project Contact at SCI: Bill Wikander
 Sampled By: Dennis Alexander
 Analytical Laboratory: Eureka Laboratories Inc.
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA57	SOIL	BRASS TUBES	8-21-90			
PA58						
PA59					TPH	DOHS/LUFT
PA60					BTXE	8020
PA61					TOTAL LEAD	WET
PA62					SOLUBLE LEAD	
PA63						
PA64						

Composite (written vertically on the left and right sides of the table rows)

* * * * *

Released by: Dennis Alexander Date: 8-21-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Jern Date: 8/21/90 1345
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Project Name: 98th & Edes
 SCI Job Number: 272.016
 Project Contact at SCI: Bill Wikander
 Sampled By: Dennis Alexander
 Analytical Laboratory: Eureka Laboratories Inc.
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA-49	SOIL	BRASS TUBES	8-17-90			
PA-50						
PA-51					TPH	DOHS/LUFT
PA-52					BTXE	8020
PA-53					TOTAL LEAD	WET
PA-54					SOLUBLE LEAD	
PA-55						
PA-56						

* * * * *

Composite

Released by: Dennis Alexander Date: 8-17-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Pat Giori Date: 8/17/90
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 98th & Edes
 SCI Job Number: 272.016
 Project Contact at SCI: Bill Wikander
 Sampled By: Dennis Alexander
 Analytical Laboratory: Eureka Laboratories Inc.
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA-41	SDIC	BRASS TUBES	8-14-90			
PA-42						
PA-43					TPH	DOHS/LUFT
PA-44					BTXE	8020
PA-45					TOTAL LEAD SOLUBLE LEAD	WET
PA-46						
PA-47						
PA-48						

Composite (written vertically on the left side of the table, spanning rows PA-43 to PA-48)

Composite (written vertically on the right side of the table, spanning rows PA-43 to PA-48)

* * * * *

Released by: Dennis Alexander Date: 8-15-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Pat Gopur / ELI Date: 8/15/90 12:40
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 98th & Edes

SCI Job Number: 272.016

Project Contact at SCI: Bill Wikander

Sampled By: Dennis Alexander

Analytical Laboratory: Eureka Laboratories Inc.

Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA33	SOIL	BRASS TUBE	8-7-90			
PA34						
PA35						
PA36						
PA37						
PA38						
PA39						
PA40						

* * * * *

Composite {
 TPH DOHS/LUFT
 BTXE 8020
 TOTAL LEAD
 & SOLUBLE LEAD WET

Released by: Dennis Alexander Date: 8-8-90

Released by Courier: _____ Date: _____

Received by Laboratory: Pat Cooper / ELT Date: 8/8/90 2:15

Relinquished by Laboratory: _____ Date: _____

Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Expedite

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 98th + Edes
 SCI Job Number: 272-016
 Project Contact at SCI: Bill Wikander
 Sampled By: Dennis Alexander
 Analytical Laboratory: Eureka Laboratories Inc.
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA-25	SOIL	BRASS TUBES	8-1-90			
PA-26	↓	↓	↓	COMPOSITE	TPH BTXE TOTAL LEAD & SOLUBLE LEAD	DOHS/LUFT FO20 WET
PA-27						
PA-28						
PA-29						
PA-30						
PA-31						
PA-32						

* * * * *

Released by: Dennis Alexander Date: 8-1-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Pat Gopin / ECI Date: 8/1/90 1:50
 Relinquished by Laboratory: ~~Pat Gopin~~ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans!
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 98th & Edes Phase 2
 SCI Job Number: 272-016
 Project Contact at SCI: Bill Wikander
 Sampled By: Dennis Alexander
 Analytical Laboratory: Eureka Laboratories Inc.
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA-17	SOIL	BRASS TUBES	8-1-90			
PA-18	↓	↓	↓	Composite	TPH BTXE Total Lead & Soluble Lead	DOHS/LUFT ED20 WET
PA-19						
PA-20						
PA-21						
PA-22						
PA-23						
PA-24						

* * * * *

Released by: Dennis Alexander Date: 8-1-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Pat Gippi / ELI Date: 8/1/90 1:50
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 98th & EDES
 SCI Job Number: 272.016
 Project Contact at SCI: BILL WIKANDER
 Sampled By: DENNIS ALEXANDER
 Analytical Laboratory: EUREKA LABORATORIES, INC
 Analytical Turnaround: 5 DAYS

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
SP 83-86 COMPOSITE	SOIL	BRASS TUBES	7/20/90		TPH	DOHS/LOFT
SP 87-90, 99-102 COMPOSITE	SOIL	BRASS TUBES	7/20/90		TPH BTEX TOTAL LEAD; SOLUBLE LEAD	DOHS/LOFT 8020 WET
SP 95-98 COMPOSITE	SOIL	BRASS TUBES	7/20/90		TPH	DOHS/LOFT
SP 91-94 COMPOSITE	SOIL	BRASS TUBES	7/20/90		TPH	DOHS/LOFT
	*	*	*	*	*	*

Released by: Dennis Alexander Date: 7-23-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Jury Date: 7-23-90^w 2:30 pm
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube,
 O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 98TH & EDES
 SCI Job Number: 772.016
 Project Contact at SCI: BILL WIKANDER
 Sampled By: DEVLIS ALEXANDER
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: STANDARD

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
<u>EXC#1</u>	<u>WATER</u>	<u>2-VOA'S</u>	<u>7/11/90</u>		<u>TNH/BTXE</u>	<u>8015/8020</u>
	<u>↓</u>	<u>1L GLASS JAR</u>	<u>↓</u>		<u>TEH</u>	<u>8015 MOD.</u>
<u>EXC#2</u>	<u>WATER</u>	<u>2-VOA'S</u>	<u>7/11/90</u>		<u>TNH/BTXE</u>	<u>8015/8020</u>
	<u>↓</u>	<u>1L GLASS JAR</u>	<u>↓</u>		<u>TEH</u>	<u>8015 MOD.</u>

* * * * *

Released by: *[Signature]* Date: 07/12/90
 Released by Courier: _____ Date: _____
 Received by Laboratory: *[Signature]* Date: 7/12/90 1030a
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 98th & EDES
 SCI Job Number: 272.016
 Project Contact at SCI: BILL WIKANDER
 Sampled By: JAIRO LOPEZ
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: 24 HOUR

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis*	Analytical Method
COMPOSITE SP76 SP77 SP78 SP79	SOIL	BRASSTUBE	7/11/90			
					TUH	BOIS
					TEH(4/6AS)	BOIS MOD.
COMPOSITE SP80 SP81	SOIL	BRASSTUBE	7/11/90			
					TUH	BOIS
					TEH(4/6AS)	BOIS MOD.

* NOTE: IF TEST RESULTS FROM EARLIER SAMPLES INDICATE ONLY IN THE TUH RANGE, ONLY TEST FOR TUH.

Released by: [Signature] Date: 07/12/90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy Hatten Date: 7/12/90 1030a
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0401

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 98th & EDES
 SCI Job Number: 272.016
 Project Contact at SCI: BILL WIKANDER
 Sampled By: JAIRO LOPEZ
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: 24 HOUR

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis *	Analytical Method					
COMPOSITE SP68	SOIL	BRASS TUBE	7/11/90								
							SP69				
							SP70				
							SP71				
COMPOSITE SP72	SOIL	BRASS TUBE	7/11/90								
							SP73				
							SP74				
							SP75				

* NOTE: IF TEST RESULTS FROM EARLIER SAMPLES INDICATE ONLY WITH THE TUN RANGE
 * TEST FOR TUN ONLY * * * * *

Released by: [Signature] Date: 09/12/90
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 7/12/90 1030
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 98th & EDES
 SCI Job Number: 272.016
 Project Contact at SCI: BILL WIKANDER
 Sampled By: JANZO LOPEZ
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: 24 HOUR

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
59 61 62 COMPOSITE SP61	SOIL	BRASS TUBE	7/10/90			
SP62					TUH	BOIS
SP63					TEH (4/6AS)	BOIS MOD.
SP64						
63 64 65 COMPOSITE SP65	SOIL	BRASS TUBE	7/10/90			
SP66					TUH	BOIS
SP67					TEH (4/6AS)	BOIS MOD.

Released by: [Signature] Date: July 10/90
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 7-10-90 17:00
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 98TH & EDES

SCI Job Number: 272-016

Project Contact at SCI: BILL WIKANDER

Sampled By: JAIRO LOPEZ

Analytical Laboratory: CURTIS & TOMPKINS

Analytical Turnaround: 24 HOUR

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method	
COMPOSITE SP53	SOIL	BRASS TUBE	7/10/90	COMPOSITE			
						TVH	BOIS
						TEH (W/GAS)	BOIS MOD.
COMPOSITE SP57	SOIL	BRASS TUBE	7/10/90	COMPOSITE			
						TVH	BOIS
						TEH (W/GAS)	BOIS MOD.

* * * * *

Released by: [Signature] Date: July 10/90

Released by Courier: _____ Date: _____

Received by Laboratory: [Signature] Date: 7-10-90 17:00

Relinquished by Laboratory: _____ Date: _____

Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 98th & EDES
 SCI Job Number: 272.016
 Project Contact at SCI: BILL WIKANDER
 Sampled By: JAIRO LOPEZ
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: 24 HOUR

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
COMPOSITE SP45 SP46 SP47 SP48	SOIL	BRASS TUBE	7/10/90			
	↓	↓	↓		TUH	BOIS
	↓	↓	↓		TEH (w/GAS)	BOIS MOD.
	↓	↓	↓			
COMPOSITE SP49 SP50 SP51 SP52	SOIL	BRASS TUBE	7/10/90			
	↓	↓	↓		TUH	BOIS
	↓	↓	↓		TEH (w/GAS)	BOIS MOD.
	↓	↓	↓			

*
 Released by: [Signature] Date: July 10/90
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 7-10-90 17:00
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 98TH & EDES
 SCI Job Number: 272.016
 Project Contact at SCI: BILL WIKANDER
 Sampled By: JAIRO LOPEZ
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: 2 DAY

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
SP39	SOIL	BRASS TUBE	7/10/90			
SP40					TUH/BXE	8015/8020
SP41					TEH	8015 MOD.
SP42					TOTL AND SOLUBLE LEAD	
SP43						
SP44						

COMPOSITE (written vertically on the left and right sides of the sample rows)

* * * * *

Released by: [Signature] Date: July 10/90
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 7-10-90 17:00
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 98TH & EDES
 SCI Job Number: 272.016
 Project Contact at SCI: BILL WIKANDER
 Sampled By: JAIRO LOPEZ
 Analytical Laboratory: CUETIS & TOMPKINS
 Analytical Turnaround: 2 DAY

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
SP31	SOIL	BRASS TUBE	7/9/90			
SP32			7/10/90			
SP33					TNH/PIXE	BO15/COZO
SP34					TEH	BO15MOD.
SP35					DTAL AND SAURLEAD	
SP36						
SP37						
SP38						

COMPOSITE (written vertically on the left and right sides of the table)

* * * * *

Released by: [Signature] Date: 7/10/90
 Released by Courier: [Signature] Date: 7-10-90 17:00
 Received by Laboratory: [Signature] Date: 7-10-90 17:00
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 98th & EDES
 SCI Job Number: 272.016
 Project Contact at SCI: BILL WIKANDER
 Sampled By: JAIRO LOPEZ
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: 24 HOUR

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
SP 26	SOIL	BRASS TUBE	7/9/90			
SP 27	↓	↓	↓		TVH	8015
SP 28	↓	↓	↓		TEH (4/6/96)	8015 MOD.
SP 29	↓	↓	↓			

COMPOSITE

COMPOSITE

* * * * *

Released by: [Signature] Date: July 10/90
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 7-10-90 17:00
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 98th & EDES
 SCI Job Number: 272.016
 Project Contact at SCI: BILL WIKANDER
 Sampled By: JAIRO LOPEZ
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: 24 hour

	Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
COMPOSITE	SP18	SOIL	BRASS TUBE	7/9/90			
	SP19	↓	↓	↓		TUH	8015
	SP20	↓	↓	↓		TEH (W/GAS)	8015 MOD.
	SP21	↓	↓	↓			
COMPOSITE	SP22	SOIL	BRASS TUBE	7/9/90			
	SP23	↓	↓	↓		TUH	8015
	SP24	↓	↓	↓		TEH (W/GAS)	8015 MOD.
	SP25	↓	↓	↓			

* * * * *

Released by: [Signature] Date: July 10/90
 Released by Courier: [Signature] Date: _____
 Received by Laboratory: [Signature] Date: 7-10-90 17:00
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 98th & EDES
 SCI Job Number: 272.016
 Project Contact at SCI: BILL WIKALDER
 Sampled By: JAIRO LOPEZ
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: 24 HOUR

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
SP10	SOIL	BRASS TUBE	7/9/90			
SP11	↓	↓	↓		TUH	8015
SP12	↓	↓	↓		TEH(W/GAS)	8015(MOD.)
SP13	↓	↓	↓			
SP14	SOIL	BRASS TUBE	7/9/90			
SP15	↓	↓	↓		TUH	8015
SP16	↓	↓	↓		TEH(W/GAS)	8015(MOD.)
SP17	↓	↓	↓			

* * * * *

Released by: Jairo Lopez Date: July 10/90
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 7-10-90 17:00
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube,
 O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

VERBAL ADDITIONS / CANCELLATIONS TO ANALYSIS REQUEST SHEET

received: 7/10/90

CLIENT: Subsurface Consultants DATE: 7-18-90

REQUESTED BY: Bill Wikander TIME: _____ am (2:10 pm)

RECORDED BY: wp

Current Lab ID (Previous Lab ID)	Client ID	Circle matrix:	Specify add or cancel	Analysis	Due date
101101-1 (101025 - 66)	SP1-8	<input checked="" type="checkbox"/> soil <input type="checkbox"/> water <input type="checkbox"/> other	Add	total lead	7.20
101101-2 (101025 - 67)	SP9-16	<input checked="" type="checkbox"/> soil <input type="checkbox"/> water <input type="checkbox"/> other	Add	total lead	
101101-3 (101025 - 73)	SP39-44	<input checked="" type="checkbox"/> soil <input type="checkbox"/> water <input type="checkbox"/> other	Add	total lead	
()		soil water other			
()		soil water other			
()		soil water other			
()		soil water other			
()		soil water other			

Original in job jacket.

Copies to analytical departments.

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 98DE & EDES
 SCI Job Number: 272.016
 Project Contact at SCI: BILL WIKANDER
 Sampled By: JAIRO LOPEZ
 Analytical Laboratory: CUETIS & TOMPKINS
 Analytical Turnaround: 2 DAY

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
SP1	SOIL	BRASS TUBE	7/9/90			
SP2						
SP3					TVH/BXE	8015/8020
SP4					TEH	8015MOD
SP5					TOTAL AND SOLUBLE LEAD	
SP6						
SP7						
SP8						

COMPOSITE (written vertically on the left side of the table)

* * * * *

Released by: [Signature] Date: 7/10/90
 Released by Courier: [Signature] Date: _____
 Received by Laboratory: [Signature] Date: 7.10.90 7:00
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

100761

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 98TH & EDES, PHASE 2
 SCI Job Number: 272.016
 Project Contact at SCI: BILL WIKANDER
 Sampled By: JOSE BERMUDEZ
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: NORMAL

OFFICE
 FIND
 CHAIN-OF-
 CUSTODY FOR
 MW-1 = MW4
 uw

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
4 MW4 (6/30/90)	WATER	2-VOA'S	6/30/90		TUH/BTEX	8015/8020
	↓	1L GLASS JAR	↓		TEH	8015 MOD.
		VOA	↓		PURGEABLE HALOGENATEDS	8010
5 MW5 (6/30/90)	WATER	2-VOA'S	6/30/90		TUH/BTEX	8015/8020
	↓	1L GLASS JAR	↓		TEH	8015 MOD.
		VOA	↓		PURGEABLE HALOGENATEDS	8010
6 18 (6/30/90)	WATER	2-VOA'S	6/30/90		TUH/BTEX	8015/8020
	↓	1L GLASS JAR	↓		TEH	8015 MOD.
		VOA	↓		PURGEABLE HALOGENATEDS	8010

Released by: [Signature] Date: _____
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 7/9/90 1035h
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

100961

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 90TH AVENUE (BIG 90TH)
 SCI Job Number: 272.016
 Project Contact at SCI: BILL WIKANDER
 Sampled By: JOSE BERMUDEZ
 Analytical Laboratory: CURTIS & TOMPLINS
 Analytical Turnaround: NORMAL

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
④ MWH(7/2/90)	WATER	2-VOA'S	7/2/90		TUH/ETXE	805/8020
	↓	1L GLASS JAR	↓		TOG	503E
⑤ SMWS(7/2/90)	WATER	2-VOA'S	7/2/90		TUH/ETXE	805/8020
	↓	1L GLASS JAR	↓		TOG	503E
		VOA	↓		POTENTIAL HALOCARBONS	8010
⑥ MWS(7/2/90)	WATER	2-VOA'S	7/2/90		TUH/ETXE	805/8020
	↓	1L GLASS JAR	↓		TOG	503E

* * * * *

Released by: José L. Bermudez Date: _____
 Released by Courier: _____ Date: _____
 Received by Laboratory: Mary Catherine Date: 7/3/90 1030^h
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube,
 O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

100962

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 98TH AVENUE (9801 SAN LEANRO STREET)
 SCI Job Number: 272.016
 Project Contact at SCI: BILL WIKANDER
 Sampled By: JOSE BERMUDEZ
 Analytical Laboratory: CUETS & TOMPKINS
 Analytical Turnaround: NORMAL

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
1 MW1 (7/2/90)	WATER	2-VOA'S	7/2/90		TUH/BIXE POTENTIAL HARDWARES	BO15/BO20 BO10
	↓	VOA	↓			
2 MW2 (7/2/90)	WATER	2-VOA'S	7/20/90		TUH/BIXE POTENTIAL HARDWARES	BO15/BO20 BO10
	↓	VOA	↓			
3 MW3 (7/2/90)	WATER	2-VOA'S	7/20/90		TUH/BIXE POTENTIAL HARDWARES	BO15/BO20 BO10
	↓	VOA	↓			

* * * * *

Released by: Jose L. B... Date: _____
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy Whitten Date: 7/3/90 10:30
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube,
 O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

90146311

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. LA0000000011071		Manifest Document No. 11112		2. Page 1 of 7		Information in the shaded areas is not required by Federal law.			
		3. Generator's Name and Mailing Address The City Hall Plaza, Oakland, CA 94612				A. State Manifest Document Number 90146311		B. State Generator's ID 123456789			
4. Generator's Phone (HIS)		5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID		D. Transporter's Phone			
7. Transporter 2 Company Name USX		8. US EPA ID Number LA00000000121		E. State Transporter's ID 001100		F. Transporter's Phone (415) 372-4500		G. State Facility's ID			
9. Designated Facility Name and Site Address Essex Street, Oakland, CA 94612		10. US EPA ID Number LA00000000110		H. Facility's Phone (415) 795-4400							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Combustible Liquid N.O.S.				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.	
				22/77		12000 G		State 321 EPA/Other 12345		State EPA/Other	
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		a. CI		b.		c.	
15. Special Handling Instructions and Additional Information											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name Dennis Howard				Signature <i>Dennis Howard</i>				Month Day Year 03 26 90			
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature			
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name Walter L. ...				Signature <i>Walter L. ...</i>			
19. Discrepancy Indication Space											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				Printed/Typed Name				Signature			

90146313
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAD0002897137		Manifest Document No. 11111		2. Page 1 of 7		Information in the shaded areas is not required by Federal law.							
		3. Generator's Name and Mailing Address City of Oakland One City Hall Plaza Oakland, Ca. 94612						A. State Manifest Document Number 90146313		B. State Generator's ID 1101-2823-H					
4. Generator's Phone (415) 272-3051		5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID		D. Transporter's Phone							
7. Transporter 2 Company Name SSX		8. US EPA ID Number CAD000033121		9. Designated Facility Name and Site Address Evergreen Oil Recyclers 6880 Smith Ave. Newark, Ca. 94560		10. US EPA ID Number CAD980337413		E. State Transporter's ID		F. Transporter's Phone (415) 372-4500					
9. Designated Facility Name and Site Address		10. US EPA ID Number		G. State Facility's ID		H. Facility's Phone (415) 795-4400									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		L. Waste No.					
a. ^{HAZ} Combustible Liquid N.O.S. CHME b. ^{HAZ} c. d.				0.01						State 1					
										EPA/Other					
												State			
												EPA/Other			
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		a.		b.							
15. Special Handling Instructions and Additional Information															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.				Printed/Typed Name Dennis Alexander		Signature Dennis Alexander		Month Day Year 10/16/70							
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature		Month Day Year							
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature		Month Day Year							
19. Discrepancy Indication Space															
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				Printed/Typed Name		Signature		Month Day Year							

DURHAM ROAD LANDFILL
 A WASTE MANAGEMENT COMPANY
 7010 DURHAM ROAD
 FREMONT, CA 94538

(415)657-2425

ACCOUNT NUMBER 91644	ROUTE 00-0
DATE 10/01/90	

I T CORPORATION
 4585 PACHECO BL
 MARTINEZ, CA 94553

BILL NUMBER	DATE	DESCRIPTION					AMOUNT
TAG #	GROSS	TARE	NET	TONNAGE	YARDAGE	AMT CHG	
147187					16.0		
147189					16.0		
147190					16.0		
147191					16.0		
147192					16.0		
147193					16.0		
147194					16.0		
147195					16.0		
147196					16.0		
147197					16.0		
147198					16.0		
147199					16.0		
147200					16.0		
148751					16.0		
148752					16.0		
148753					16.0		
148754					16.0		
148755					16.0		

PLEASE RETURN THIS PORTION WITH PAYMENT

DATE: 10/01/90

CURRENT CHARGES:

TOTAL DUE:

DURHAM ROAD LANDFILL
 A WASTE MANAGEMENT COMPANY
 7010 DURHAM ROAD
 FREMONT, CA 94538
 (415)657-2425

ACCOUNT NUMBER 91644	ROUTE 00-0	AMOUNT PAID
EBR		\$
		CHECK NUMBER

Remit To:

I T CORPORATION
 4585 PACHECO BL
 MARTINEZ, CA 94553

DURHAM ROAD LANDFILL
 A WASTE MANAGEMENT COMPANY
 P. O. BOX 23110
 OAKLAND, CA 94623-0110

DURHAM ROAD LANDFILL
WASTE MANAGEMENT COMPANY
7010 DURHAM ROAD
FREMONT, CA 94538

(415)657-2425

ACCOUNT NUMBER	ROUTE
91644	00-0
DATE	
10/01/90	

PAGE 2

I T CORPORATION
4585 PACHECO BL
MARTINEZ, CA 94553

BILL NUMBER	DATE	DESCRIPTION	AMOUNT
148756	09/18/90		16.0
220727			



No. 651211

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code CA 405 901113 _____
 Description of Waste SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

Quantity	Units	Containers No.	Type
<u>18</u>	<u>1</u>	<u>01</u>	<u>T</u>

Containers Type
 D - Drum
 C - Carton
 B - Bag
 T - Truck
 P - Pounds
 Y - Yards
 O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

DAVIDS _____ Signature _____ Shipment Date _____
 Generator Authorized Agent Name

TRANSPORTER

Truck No. _____ Phone No. 415 795 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Davidson _____ Shipment Date _____ Driver Signature _____ Delivery Date _____
 Driver Signature

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470432
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

 Name of Authorized Agent Signature _____ Receipt Date _____

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code CA 405 901113 Description of Waste

Quantity	Units	Containers No.	Type
<u>18</u>	<u>Y</u>	<u>01</u>	<u>T</u>

- Type
D - Drum
C - Carton
B - Bag
T - Truck
P - Pounds
Y - Yards
O - Other

SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Danny Lau Signature [Signature] Shipment Date 11/2/90

TRANSPORTER

Truck No. T-42 Phone No. 415 796 8111
Transporter Name ROBERTSON TRUCKING Driver Name (Print) [Signature]
Address 40 KING AVE Vehicle License No./State [Signature]
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-747-0491
Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 651213

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____ - _____

BFI Waste Code C2 405 901113

Description of Waste
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

Quantity	Units	Containers No.	Type
<u>18</u>	<u>Y</u>	<u>01</u>	<u>T</u>

Type
 D - Drum
 C - Carton
 B - Bag
 T - Truck
 P - Pounds
 Y - Yards
 O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. B-11 Phone No. 415 796 9111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMCNT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 447-0111
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____

GENERATOR RETAIN



No. 651214

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____
 BFI Waste Code CA 405 901113 _____
 Description of Waste

SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS

 PO # 244707

Quantity	Units	Containers No.	Type
10	1	U1	T

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pounds
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. A-11 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-447-0151
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____



No. 651215

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND

Address _____ Address 98TH & PIPPIN

OAKLAND, CA

Phone No. 415 - 3729100

Phone No. -

BFI Waste Code CA 405 901113

Description of Waste

Quantity	Units	Containers No.	Type
<u>13</u>	<u>Y</u>	<u>01</u>	<u>T</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

- Type
- D - Drum
 - C - Carton
 - B - Bag
 - T - Truck
 - P - Pounds
 - Y - Yards
 - O - Other

SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Danny Lam Signature _____ Shipment Date 11/2/90

TRANSPORTER

Truck No. T112 Phone No. 415 796 8111

Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____

Address 40 KING AVE Vehicle License No./State

FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date Driver Signature _____ Delivery Date

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470431

Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date

PASS CODE _____



No. 651216

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code CA 405 901113 _____
 Description of Waste
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

Quantity	Units	Containers No.	Type
<u>18</u>	<u>Y</u>	<u>01</u>	<u>T</u>

Containers Type
 D - Drum
 C - Carton
 B - Bag
 T - Truck
 P - Pounds
 Y - Yards
 O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

[Signature] _____ Shipment Date _____
 Generator Authorized Agent Name Signature

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) [Signature]
 Address 40 KING AVE Vehicle License No./State [Signature]
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] _____ Shipment Date 1/21/ _____
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4570431
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

 Name of Authorized Agent Signature Receipt Date

PASS CODE _____



No. 651217

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 4 1 5 - 3 7 2 9 1 0 0

Phone No. 7 - _____

BFI Waste Code CA 4 0 5 9 0 1 1 1 3

Quantity	Units	Containers	
		No.	Type
<u>1 8</u>	<u>Y</u>	<u>0 1</u>	<u>T</u>

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pounds
- Y - Yards
- O - Other

Description of Waste
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Danny Lau Signature _____ Shipment Date 11/21/90

TRANSPORTER

Truck No. C-7 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State 7-0-3-7
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 9 2 5 5 0
 Address 4001 N. Vasco Road; Livermore, Ca

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receiver Date _____



No. 651218

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code	Description of Waste	Quantity	Units	Containers No.	Containers Type
<u>CA</u>	<u>SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS</u>	<u>18</u>	<u>Y</u>	<u>01</u>	<u>T</u>

PO # 244707

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pounds
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

[Signature] _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] _____ Shipment Date 12/10 Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 915-701-31
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

 Name of Authorized Agent Signature _____ Receipt Date _____

PASS CODE _____



No. 651219

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND

Address _____ Address 98TH & PIPPIN

OAKLAND, CA

Phone No. 415 - 272-9100 Phone No. _____

BFI Waste Code 12 405 401113 _____
Description of Waste

SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

Quantity	Units	Containers No.	Type
<u>18</u>	<u>Y</u>	<u>01</u>	<u>T</u>

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pounds
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name MASTO Signature _____ Shipment Date 11/1/10

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111

Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____

Address 40 KING AVE Vehicle License No./State _____

FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 441-0431

Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____



No. 651220

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3723100 Phone No. _____

BFI Waste Code CA 405 901113 _____
 Description of Waste Containers
 Quantity Units No. Type

SOIL WITH NON HAZARDOUS
 LEVELS OF HYDROCARBONS
 PO # 244707

1	8	Y	0	1	T

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pounds
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State 3Y52722
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Cash Shipment Date 3-7-77 Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 447031
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____ - _____

BFI Waste Code CA 405 901113 _____
 Description of Waste
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

Quantity	Units	No.	Type
1	4	01	T

Containers Type
 D - Drum
 C - Carton
 B - Bag
 T - Truck
 P - Pounds
 Y - Yards
 O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. K103 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) GEORGE SHAME
 Address 40 KING AVE Vehicle License No./State 3H82177
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator-site listed above.

I hereby certify that the above named material was delivered with out incident to the destination listed below.

Driver Signature G. Shame Shipment Date 11/14/70 Driver Signature G. Shame Delivery Date 11/14/70

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470121
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____



No. 651222

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-1000 Phone No. _____

BFI Waste Code CA 405 901113 Containers
 Description of Waste Quantity Units No. Type

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pounds
- Y - Yards
- O - Other

SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
 PO # 244707

Quantity	Units	No.	Type
18	3	01	T

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Shipment Date _____

Generator Authorized Agent Name _____ Signature _____

TRANSPORTER

Truck No. 2C Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) JOSEPH A. CANTRELL
 Address 40 KING AVE Vehicle License No./State 4355303 CA
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Joseph A. Cantrell Shipment Date 11/14/90

Driver Signature Joseph A. Cantrell Delivery Date 11/14/90

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-447-0491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code CA 405 901113 _____
 Description of Waste
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

Quantity	Units	Containers No.	Type
<u>13</u>	<u>Y</u>	<u>01</u>	<u>T</u>

- Type
 D - Drum
 C - Carton
 B - Bag
 T - Truck
 P - Pound
 Y - Yards
 O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 1 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) DAVE HINE
40 KING AVE Vehicle License No./State 2K12754
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date 11790 Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470491
4001 N. Vasco Road; Livermore, Ca 94550
 Address _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code CA 405 901113 Containers No. 01 Type T
 Description of Waste Quantity Units
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 11/10

TRANSPORTER

Truck No. FT-1 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) John Robert
 Address 40 KING AVE Vehicle License No./State 3Y15775
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered with out incident to the destination listed below.

Driver Signature [Signature] Shipment Date 11/10 Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470891
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 651225

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 92TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code CA 405 901113 Containers
 Description of Waste SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707
 Quantity 13 Units Y No. 01 Type T

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pounds
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

MASID Generator Authorized Agent Name Signature _____ Shipment Date _____

TRANSPORTER

Truck No. C-8 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) RICHARD
 Address 40 KING AVE Vehicle License No./State 3551317
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Richard Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-444-3111
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

 Name of Authorized Agent Signature _____ Receipt Date _____

GENERATOR RETAIN



No. 651226

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. -

BFI Waste Code	<u>CA</u>	<u>405</u>	<u>901113</u>																	
Description of Waste										Quantity	Units	No.	Type	Containers						
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS PO # 244707										<u>13</u>	<u>3</u>	<u>01</u>	<u>T</u>							

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pounds
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 704721
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

 Name of Authorized Agent Signature Receipt Date

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code CA 405 901113 Containers 01 T
Description of Waste Quantity Units No. Type
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pounds
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Danny Lau Signature [Signature] Shipment Date 11/21/90

TRANSPORTER

Truck No. B-11 Phone No. 415 796 8111
Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date 11/21/90 Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-796-9111
Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code CA 405 901113 Containers _____
Description of Waste _____ Quantity _____ Units _____ No. _____ Type _____
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 2525 Phone No. 415 796 8111
Transporter Name ROBERTSON TRUCKING Driver Name (Print) Joe Berry
Address 40 KING AVE Vehicle License No./State 3B7164D
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date 11/06/00 Driver Signature _____ Delivery Date 11/06/00

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-1170191
Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3723100 Phone No. _____

BFI Waste Code CA 405 301113 _____
 Description of Waste
 SOIL WITH NON HAZARDOUS
 LEVELS OF HYDROCARBONS
 PD # 244707

Quantity	Units	No.	Type
<u>1</u> <u>8</u>	<u>Y</u>	<u>0</u> <u>1</u>	<u>T</u>

Containers Type
 D - Drum
 C - Carton
 B - Bag
 T - Truck
 P - Pounds
 Y - Yards
 O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 11/7/70

TRANSPORTER

Truck No. 113 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State 2 3Y58740
FREMONT, CA Vehicle Certification

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Chris Beck Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470431
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 651252

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 28TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code	Description of Waste	Quantity	Units	Containers		Type
				No.	Type	
<u>CA 405</u>	<u>SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS</u> <u>PO # 244707</u>	<u>19</u>	<u>1</u>	<u>01</u>	<u>T</u>	

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pound
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 11-4-92

TRANSPORTER

Truck No. IH 2 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-447-0431
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
Address _____ Address 38TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code CA 405 901113 _____
Description of Waste
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

Quantity	Units	Containers No.	Type
<u>13</u>	<u>Y</u>	<u>01</u>	<u>T</u>

- Type
D - Drum
C - Carton
B - Bag
T - Truck
P - Pounds
Y - Yards
O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 153 Phone No. 415 796 8111
Transporter Name ROBERTSON TRUCKING Driver Name (Print) Kevin McHeath
Address 40 KING AVE Vehicle License No./State 7-117-97
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [Signature] Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470491
Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 651254

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 572-1000 Phone No. _____

BFI Waste Code CA 405 901113 _____
 Description of Waste
 SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
 PO # 244707

Quantity	Units	No.	Type
<u>1</u> <u>8</u>	<u>3</u>	<u>0</u> <u>1</u>	<u>T</u>

- Type
- D - Drum
 - C - Carton
 - B - Bag
 - T - Truck
 - P - Pounds
 - Y - Yards
 - O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 11/1/85

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) W. ...
 Address 40 KING AVE Vehicle License No./State ...
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 447-0491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____



No. 651255

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code	Description of Waste	Quantity	Units	Containers		Type
				No.	Type	
<u>CA</u> <u>405</u> <u>901113</u>	<u>SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS</u> <u>PO # 244707</u>	<u>13</u>	<u>Y</u>	<u>01</u>	<u>T</u>	

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pounds
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 11/14/90

TRANSPORTER

Truck No. 12103 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) GEORGE SHANNON
 Address 40 KING AVE Vehicle License No./State 3H82177
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature G. Shannon Shipment Date 11/14/90 Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 3370431
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 651256

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 38TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code	Description of Waste	Quantity	Units	Containers		Type
				No.	Type	
<u>CA</u> <u>405</u> <u>901113</u>	<u>SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS</u> <u>PO # 244707</u>	<u>13</u>	<u>Y</u>	<u>01</u>	<u>T</u>	

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 2525 Phone No. 415 796 9111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) Joe B. ...
 Address 40 KING AVE Vehicle License No./State 3B71648
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.
 Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470191
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
 Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____ BFI260



No. 651257

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code	Description of Waste	Quantity	Units	Containers No.	Type
<u>CA</u> <u>405</u> <u>301113</u>	<u>SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS</u> <u>PO # 244707</u>	<u>13</u>	<u>Y</u>	<u>01</u>	<u>T</u>

- Type
- D - Drum
 - C - Carton
 - B - Bag
 - T - Truck
 - P - Pounds
 - Y - Yards
 - O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. FT-1 Phone No. 415 796 3111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) Chin...
 Address 40 KING AVE Vehicle License No./State 3Y18755
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [Signature] Shipment Date 11/1/75 Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 38TH & PIPPIN
OAKLAND, CA

Phone No. 415-572-3100 Phone No. _____

BFI Waste Code C3 105 301112 _____
 Description of Waste

SOIL WITH NON HAZARDOUS
 LEVELS OF HYDROCARBONS
 PO # 244707

Quantity	Units	Containers No.	Type
18	Y	01	T

- Type
 D - Drum
 C - Carton
 B - Bag
 T - Truck
 P - Pounds
 Y - Yards
 O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 26 Phone No. 415 796 3111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) Joe
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Joseph A. Roberts Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-447-0491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____ - _____

BFI Waste Code C2 105 901113 _____
 Description of Waste
 SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
 PG # 244707

Quantity	Units	Containers No.	Type
<u>13</u>	<u>Y</u>	<u>01</u>	<u>T</u>

Containers Type
 D - Drum
 C - Cartor
 B - Bag
 T - Truck
 P - Pounc
 Y - Yards
 O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 1/10/02

TRANSPORTER

Truck No. R-64 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) Bob D Rice
 Address 40 KING AVE Vehicle License No./State 1CJRL62 - CA
PREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered with out incident to the destination listed below.

Driver Signature [Signature] Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code C2 405 901113

Description of Waste
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

Quantity	Units	Containers No.	Type
<u>18</u>	<u>Y</u>	<u>01</u>	<u>T</u>

Type
 D - Drum
 C - Carton
 B - Bag
 T - Truck
 P - Pounds
 Y - Yards
 O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 1110

TRANSPORTER

Truck No. 14 Phone No. 415 796 3111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) Dave Perry
 Address 40 KING AVE Vehicle License No./State 2512-64
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 3470291
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS-CODE _____



No. 651261

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 2729100 Phone No. _____

BFI Waste Code CA 405 901113 _____
 Description of Waste
 SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
 PO # 244707

Quantity	Units	Containers No.	Containers Type
<u>18</u>	<u>Y</u>	<u>01</u>	<u>T</u>

Type
 D - Drum
 C - Carton
 B - Bag
 T - Truck
 P - Pound
 Y - Yards
 O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 172 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470431
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____ BFI260

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code CA 405 901113 Containers _____
 Description of Waste _____ Quantity _____ Units _____ No. _____ Type _____
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 2 T-1 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State NV 2700 A
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [Signature] Shipment Date 11/14/90 Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-370-1911
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code CA 405 901113 _____ Containers Type
Description of Waste Quantity Units No. Type
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS 13 Y 01 T
PO # 244707

D - Drum
C - Carton
B - Bag
T - Truck
P - Pounds
Y - Yards
O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 11/1/90

TRANSPORTER

Truck No. 77 Phone No. 415 796 8111
Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
Address 40 KING AVE Vehicle License No./State 3A73754
FREMONT, CA Vehicle Certification 153-782

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered with out incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. _____
Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 651264

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND

Address _____ Address 98TH & PIPPIN

OAKLAND, CA

Phone No. 415 - 372-1000 Phone No. _____

BFI Waste Code CA 405 901113 _____

Description of Waste

Quantity	Units	No.	Type
<u>18</u>	<u>Y</u>	<u>01</u>	<u>T</u>

SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 11/14/70

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111

Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____

Address 40 KING AVE Vehicle License No./State _____

FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470491

Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 651265

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code CA 405 901113 Containers 01 Type T
 Description of Waste SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707
 Quantity 13 Units 1 No. 01 Type T

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 11/14/90

TRANSPORTER

Truck No. 74 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) Robertson Trucking
 Address 40 KING AVE Vehicle License No./State 3D09067
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above:

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date 11/14/90 Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-447-0431
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____



No. 651266

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code CA 405 901113 Description of Waste
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

Quantity	Units	Containers No.	Type
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Containers Type
 D - Drum
 C - Carton
 B - Bag
 T - Truck
 P - Pounds
 Y - Yards
 O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 11/14/90

TRANSPORTER

Truck No. K47 Phone No. 415 796 3111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. _____
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____ BFI260



No. 651267

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____ - _____

BFI Waste Code C2 405 901113 Description of Waste
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
EO # 244707

Quantity	Units	Containers No.	Type
<u>13</u>	<u>4</u>	<u>01</u>	<u>T</u>

Type
 D - Drum
 C - Carton
 B - Bag
 T - Truck
 P - Pounds
 Y - Yards
 O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

[Signature] Generator Authorized Agent Name [Signature] Signature 11/4/90 Shipment Date

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) DAVE NICHOLS
 Address 40 KING AVE Vehicle License No./State 2J95207
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] Driver Signature 11/4/90 Shipment Date [Signature] Driver Signature 11/4/90 Delivery Date

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

 Name of Authorized Agent Signature Receipt Date

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code CA 405 901113 _____
Description of Waste
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

Quantity	Units	No.	Type
<u>18</u>	<u>1</u>	<u>01</u>	<u>T</u>

Containers
Type
D - Drum
C - Carton
B - Bag
T - Truck
P - Pouch
Y - Yards
O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Danny Lau _____ 111490
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. 5430 Phone No. 415 796 9111
Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
Address 40 KING AVE Vehicle License No./State 2521033
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered with out incident to the destination listed below.

R. H. ... _____ 111490 _____
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470431
Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent Signature _____ Receipt Date

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code CA 405 901113 Containers 011
Description of Waste Quantity Units No. Type
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pounds
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Don Navarro Signature _____ Shipment Date 111490

TRANSPORTER

Truck No. E104 Phone No. 415 796 8111
Transporter Name ROBERTSON TRUCKING Driver Name (Print) Joe Sullivan
Address 40 KING AVE Vehicle License No./State 1UU2468
FREMONT, CA Vehicle Certification 157-734

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Joe Sullivan Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-1170131
Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 651270

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code CA 405 901113 _____ Containers Type
 Description of Waste Quantity Units No. Type
 SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS 13 2 01 T
 PO # 244707

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 2525 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) Joe P.
 Address 40 KING AVE Vehicle License No./State 3B71248
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____



No. 651271

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____ - _____

BFI Waste Code C2 405 201123 _____
 Description of Waste Containers
 Quantity Units No. Type

SOIL WITH NON HAZARDOUS
 LEVELS OF HYDROCARBONS
 PO # 244707

Quantity	Units	No.	Type
<u>19</u>	<u>Y</u>	<u>01</u>	<u>T</u>

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pouch
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 153 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code CA 405 901113 Containers 0 1 T
 Description of Waste Quantity Units No. Type
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS 1 3 Y 0 1 T
PO # 244707

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pounds
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered with out incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4170491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 651273

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 277-9100 Phone No. _____

BFI Waste Code	Description of Waste	Quantity	Units	Containers		Type
				No.	Type	
<u>03</u>	<u>SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS</u>	<u>18</u>	<u>Y</u>	<u>01</u>	<u>T</u>	

PO # 244707

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 14 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) Dino R...
 Address 40 KING AVE Vehicle License No./State 2B1784
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered with out incident to the destination listed below.

Driver Signature D. R... Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 447-0491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 651274

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code	Description of Waste	Quantity	Units	Containers		Type
				No.	Type	
<u>CA</u> <u>405</u> <u>901113</u>	SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS PO # 244707	<u>18</u>	<u>3</u>	<u>01</u>	<u>T</u>	

- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pounds
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. FT-1 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) Chuck Fargett
 Address 40 KING AVE Vehicle License No./State 3Y18775
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature *Chuck Fargett* Shipment Date 11/14/70 Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____ BFI260-



No. 651275

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code CA 405 901113 _____ Containers
 Description of Waste Quantity Units No. Type

SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS PO # 244707	1	8	1	T

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pound
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State 37D2703
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered with out incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470431
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code	Description of Waste	Quantity	Units	Containers		Type
				No.	Type	
<u>CA</u> <u>405</u> <u>901113</u>	<u>SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS</u> <u>PO # 244707</u>	<u>18</u>	<u>1</u>	<u>01</u>	<u>T</u>	

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pounds
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-470-3311
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 651277

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 93TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code CA 405 901113 Containers 1 Type T
 Description of Waste SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS Quantity 13 Units Y No. 01 Type T
PO # 244707

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 441 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-417-9491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code CA 405 901113 Containers _____ Type _____
 Description of Waste _____ Quantity _____ Units _____ No. _____ Type _____
SOIL WITH NON HAZARDOUS _____
LEVELS OF HYDROCARBONS _____
PO # 244707 _____

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-417-0131
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 851279

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415-373-1000 Phone No. _____

BFI Waste Code CA 405 901113 Containers 1 Type T
 Description of Waste Quantity Units No. Type

SOIL WITH NON HAZARDOUS
 LEVELS OF HYDROCARBONS
 PO # 244707

Quantity	Units	No.	Type
1	3	1	T

- Type
- D - Drum
- C - Cartor
- B - Bag
- T - Truck
- P - Pounc
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-447-0431
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____



No. 651280

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3739109 Phone No. _____

BFI Waste Code CA 405 901113 _____ Containers

Description of Waste	Quantity	Units	Containers		Type
			No.	Type	
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS PO # 244707	18	1	01	T	D - Drum C - Cartor B - Bag T - Truck P - Pounc Y - Yards O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date 11/19/0 Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470431
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____



No. 651281

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 38TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____ - _____

BFI Waste Code CA 405 901113 _____
 Description of Waste SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

Quantity	Units	No.	Type
<u>18</u>	<u>1</u>	<u>U</u>	<u>1</u>

Containers

- D - Drum
- C - Cart
- B - Bag
- T - Truck
- P - Pail
- Y - Yard
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. I42 Phone No. 415 796 3111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) J. Robertson
40 KING AVE Vehicle License No./State CA 72611
 Address FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 3370131
4001 N. Vasco Road; Livermore, Ca 94550
 Address _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____



No. 551232

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN

Phone No. 415-272-9100 Phone No. _____
OAKLAND, CA

BFI Waste Code CA 405 901112 Containers 01T
 Description of Waste Quantity Units No. Type

Description of Waste	Quantity	Units	No.	Type
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS PO # 244707	13	Y	01	T

- Type
- D - Drum
- C - Cartor
- B - Bag
- T - Truck
- P - Pounc
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 13-3 Phone No. 415 796 9111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) Robertson Trucking
 Address 40 KING AVE Vehicle License No./State 3-15-9027
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [Signature] Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-447-0491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____



No. 651283

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
Address _____ Address 98TH & PIPPIN

OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code CA 405 901113 Containers Type
Description of Waste Quantity Units No. Type
D - Drum
C - Carton
B - Bag
T - Truck
P - Pounds
Y - Yards
O - Other

SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

Quantity	Units	No.	Type
13	Y	01	T

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 5463 Phone No. 415 796 8111
Transporter Name ROBERTSON TRUCKING Driver Name (Print) DAVE MICHO
Address 40 KING AVE Vehicle License No./State 2J7E207
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date 1/1/70 Driver Signature _____ Delivery Date 1/1/70

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-427-0491
Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____ BFI260



No. 651284

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code	Description of Waste	Quantity	Units	Containers		Type
				No.	Type	
<u>CA 405 901113</u>	<u>SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS</u> <u>PO # 244707</u>	<u>13</u>	<u>1</u>	<u>01</u>	<u>1</u>	<u>C</u>

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 2-64 Phone No. 415 796 3111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) Chris D. Bell
40 KING AVE Vehicle License No./State JV 28688-CA
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Chris Bell Shipment Date 11/14/90 Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-470-4951
4001 N. Vasco Road; Livermore, Ca 94550
 Address _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____ BFI260

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 38TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code CA 405 901113 _____
 Description of Waste
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PG # 244707

Quantity	Units	Containers No.	Type
<u>18</u>	<u>Y</u>	<u>01</u>	<u>T</u>

Type
 D - Drum
 C - Carton
 B - Bag
 T - Truck
 P - Pounds
 Y - Yards
 O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 5530 Phone No. 415 796 3111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 447031
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 851286

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 38TH & PIPPIN

OAKLAND, CA
 Phone No. 415-372-9100 Phone No. _____

BFI Waste Code C3 405 901113 _____
 Description of Waste Containers
 Quantity Units No. Type

SOIL WITH NON HAZARDOUS
 LEVELS OF HYDROCARBONS
 PD # 244707

Quantity	Units	No.	Type
18	3	01	T

- Type
 D - Drum
 C - Carton
 B - Bag
 T - Truck
 P - Pounds
 Y - Yards
 O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. _____ Phone No. 415 796 3111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered with out incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-4470491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____ BFI260



No. 651237

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code	Description of Waste	Quantity	Units	Containers		Type
				No.	Type	
<u>CA</u> <u>405</u> <u>301113</u>	<u>SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS</u> <u>PO # 244707</u>	<u>1</u> <u>3</u>	<u>3</u>	<u>0</u> <u>1</u>	<u>T</u>	<u>T</u>

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. R113 Phone No. 415 795 3111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) GEORGE STANINE
 Address 40 KING AVE Vehicle License No./State 3H82177
PREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site-listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [Signature] Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-447-0491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
Address _____ Address 38TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code CA 405 901113 Containers _____
Description of Waste _____ Quantity _____ Units _____ No. _____ Type _____

SOIL WITH NON HAZARDOUS
LEVELS OF HYDROCARBONS

PO # 244707

Quantity	Units	No.	Type
13	Y	01	T

- Type
D - Drum
C - Carton
B - Bag
T - Truck
P - Pounds
Y - Yards
O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 247 Phone No. 415 796 3111
Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered with out incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-217-0431
Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 651289

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code CA 405 901113 _____
 Description of Waste

SOIL WITH NON HAZARDOUS
 LEVELS OF HYDROCARBONS

 PO # 244707

Quantity	Units	Containers No.	Type
<u>13</u>	<u>Y</u>	<u>01</u>	<u>T</u>

- Type
 D - Drum
 C - Carton
 B - Bag
 T - Truck
 P - Pound
 Y - Yards
 O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4170491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____



No. 651290

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code	Description of Waste	Quantity	Units	Containers		Type
				No.	Type	
<u>CA</u> <u>405</u> <u>901113</u>	<u>SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS</u> <u>PO # 244707</u>	<u>13</u>	<u>Y</u>	<u>01</u>	<u>T</u>	D - Drum C - Carton B - Bag T - Truck P - Pounds Y - Yards O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date 1/1/85 Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 651291

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____ - _____

BFI Waste Code	Description of Waste	Quantity	Units	Containers No.	Containers Type
<u>CA</u> <u>405</u> <u>901113</u>	<u>SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS</u> <u>PO # 244707</u>	<u>18</u>	<u>1</u>	<u>01</u>	<u>T</u>

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State 99575-
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4410491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____



No. 651292

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code CA 405 90-113 Containers _____ Type _____

Description of Waste	Quantity	Units	Containers	
			No.	Type
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS PO # 244707	_____	_____	01	T
	_____	_____	_____	_____
	_____	_____	_____	_____

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
40 KING AVE Vehicle License No./State _____
 Address FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-417-0101
4001 N. Vasco Road; Livermore, Ca 94550
 Address _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____



No. 651293

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN

OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____ - _____

BFI Waste Code C3 405 901113
 Description of Waste

SOIL WITH NON HAZARDOUS
 LEVELS OF HYDROCARBONS

 PO # 244707

Quantity	Units	Containers No.	Type
<u>18</u>	<u>7</u>	<u>01</u>	<u>T</u>

- Type
- D - Drum
 - C - Carton
 - B - Bag
 - T - Truck
 - P - Pound
 - Y - Yards
 - O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 1/10

TRANSPORTER

Truck No. 74 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) M. Robertson
 Address 40 KING AVE Vehicle License No./State T
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered with out incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____



Waste Systems™
BROWNING-FERRIS INDUSTRIES

No. 651294

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
Address _____ Address 28TH & PIPPIN
OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____
BFI Waste Code CA 405 901113 _____
Description of Waste

SOIL WITH NON HAZARDOUS
LEVELS OF HYDROCARBONS

PO # 244707

Quantity	Units	Containers No.	Type
<u>18</u>	<u>Y</u>	<u>01</u>	<u>T</u>

- Type
D - Drum
C - Carton
B - Bag
T - Truck
P - Pounds
Y - Yards
O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. _____ Phone No. 415 796 8111
Transporter Name ROBERTSON TRUCKING Driver Name (Print) Charles K...
Address 40 KING AVE Vehicle License No./State 3FJ9-42
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-704-31
Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code CA 405 901113

Description of Waste
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS
PO # 244707

Quantity	Units	No.	Type	Type
<u>18</u>	<u>Y</u>	<u>01</u>	<u>T</u>	<u>D - Drum</u>
				<u>C - Cartor</u>
				<u>B - Bag</u>
				<u>T - Truck</u>
				<u>P - Pound</u>
				<u>Y - Yards</u>
				<u>O - Other</u>

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 1017 Phone No. 415 796 9111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) Thom...
 Address 40 KING AVE Vehicle License No./State 7772-078
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date 1/1/01 Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4370491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____

BFI Waste Code CA 405 901113 Containers 01 Type T
 Description of Waste Quantity Units No. Type
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS 18 Y 01 T
PO # 244707

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 9453 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) DAVE NICHOLS
 Address 40 KING AVE Vehicle License No./State 2J93207 CA
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date 11/14/70 Driver Signature _____ Delivery Date 11/14/70

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470431
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 651297

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN

OAKLAND, CA

Phone No. 415-372-9100 Phone No. _____

BFI Waste Code CA 405 901113 Containers 01T
 Description of Waste Quantity Units No. Type

SOIL WITH NON HAZARDOUS
 LEVELS OF HYDROCARBONS

 PO # 244707

Quantity	Units	No.	Type
<u>18</u>	<u>1</u>	<u>01</u>	<u>T</u>

- Type
- D - Drum
- C - Cartor
- B - Bag
- T - Truck
- P - Pounc
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. _____ Phone No. 415 796 3111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
PREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date 4/15 Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415-447-0491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 3729100 Phone No. _____ - _____

BFI Waste Code CA 405 901112 _____ Containers
 Description of Waste Quantity Units No. Type

Description of Waste	Quantity	Units	No.	Type
SOIL WITH NON HAZARDOUS LEVELS OF HYDROCARBONS	13	Y	01	T
PO # 244707				

- Type
- D - Drum
- C - Carto
- B - Bag
- T - Truck
- P - Pounc
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. 6-104 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) JOE GALLAGHER
 Address 40 KING AVE Vehicle License No./State 3N-4-5T
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Joe Gallagher Shipment Date 11/14/90 Driver Signature Joe Gallagher Delivery Date 11/14/90

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 4470431
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____



No. 651299

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 272-1000 Phone No. _____ - _____

BFI Waste Code C3 405 901113 _____
 Description of Waste Containers
 Quantity Units No. Type

- Type
- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pound
- Y - Yards
- O - Other

SOIL WITH NON HAZARDOUS
 LEVELS OF HYDROCARBONS
 PO # 244707

Quantity	Units	No.	Type
13	Y	01	T

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. G-104 Phone No. 415 796 8111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) JOE GALLAGOS
 Address 40 KING AVE Vehicle License No./State 3N54257
FREMONT, CA Vehicle Certification CAL-7-157-737

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Joe Gallagos Shipment Date 11/14/90 Driver Signature Joe Gallagos Delivery Date 11/14/90

DESTINATION

Site Name Vasco Road Sanitary Landfill Phone No. 415 - 487-0491
 Address 4001 N. Vasco Road; Livermore, Ca 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____



No. 651300

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name CITY OF OAKLAND Generating Location CITY OF OAKLAND
 Address _____ Address 98TH & PIPPIN
OAKLAND, CA

Phone No. 415 - 372-4100 Phone No. _____ - _____

BFI Waste Code	Description of Waste	Quantity	Units	Containers		Type
				No.	Type	
<u>CA</u>	<u>405</u>	<u>20</u>	<u>1113</u>	<u>01</u>	<u>T</u>	<u>D - Drum</u>
						<u>C - Carton</u>
						<u>B - Bag</u>
						<u>T - Truck</u>
						<u>P - Pounce</u>
						<u>Y - Yards</u>
						<u>O - Other</u>

SOIL WITH NON HAZARDOUS
 LEVELS OF HYDROCARBONS
 PO # 244707

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Truck No. _____ Phone No. 415 796 3111
 Transporter Name ROBERTSON TRUCKING Driver Name (Print) _____
 Address 40 KING AVE Vehicle License No./State _____
FREMONT, CA Vehicle Certification _____

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Shipment Date _____ Driver Signature _____ Delivery Date _____

DESTINATION

Site Name 4001 N. Vasco Road, Livermore, Ca 94550 Phone No. _____
 Address _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate

Name of Authorized Agent _____ Signature _____ Receipt Date _____

PASS CODE _____