



Wilanco, Inc.

P.O. Box 8117
Berkeley, California 94707
Phone: (510) 525-3750
Fax: (510) 525-9058

March 2, 1995

Mr. Lawrence Seto
Alameda County EPA
1131 Harbor Bay Parkway
Second Floor
Alameda, California 94502

Dear Larry:

Enclosed are the documents you requested. I would like to get this file closed.

I think everything that was necessary to do has been accomplished. Hopefully you can put this behind you also and we can both close our files.

Sincerely,

A handwritten signature in cursive script that reads "John W. Piggott".

John W. Piggott
President

enc:
JWP/dbo

ENVIRONMENTAL
PROTECTION
95 MAR -3 PM 12: 04



Wilanco, Inc

P O Box 8117
Berkeley, California 94707
Phone (415) 525-3750

June 23, 1993

Mr. Lawrence Seto *new address*
Senior Hazardous Material Specialist
Alameda County Health Agency
80 Swan Way, Room 200
Oakland, California 94621

Dear Mr. Seto:

We have completed the removal of underground storage tanks at the Wilanco site (the former SDDA facility). Enclosed are the necessary documents for your files, including:

- 1) Tank Removal Report dated 6/17/93,
- 2) Evidence of disposal of contaminated soil to Redwood Landfill, Inc. dated 6/10/93,
- 3) Other reports and data documenting testing and sampling of soil and groundwater.

All underground storage tanks at this site tanks have been removed and disposed of at proper disposal sites. Contaminated soil was treated using biodegradation techniques and disposed of at Redwood Landfill, Inc.

Now that everything has been completed in accordance with the regulatory requirements, I expect this file can now be closed.

Sincerely,

COPY

John W. Piggott
President



**ENSR Consulting
and Engineering**
1320 Harbor Bay Parkway
Alameda, CA 94501
(510) 865-1888
(510) 748-6799 (FAX)

June 17, 1993

Mr. John Piggott
Wilanco, Inc.
P.O. Box 8117
Berkeley, California

Re: Wilanco Tank Removal Report

Dear Mr. Piggott:

This letter summarizes the chain of events and results of analytical tests conducted on soil samples, collected adjacent to underground tanks removed from your facility between May 6 and May 12, 1992. ENSR Consulting and Engineering (ENSR) was retained by Wilanco Inc. to collect soil and groundwater samples during the removal of underground fuel tanks at 1077 Eastshore Frontage Road in Albany, California (site). The purpose of this investigation was to determine the potential for residual soil and/or groundwater contamination resulting from the presence of these underground tanks. This investigation was authorized by Mr. John Piggott on June 29, 1992 by signing ENSR's proposal no. 7295-A01.

Introduction

Six underground fuel storage tanks were removed between May 6 and May 12, 1992 from the site. Three of these tanks formerly contained diesel fuel, while the remaining three tanks formerly contained gasoline. The three diesel tanks were contained within one excavation, designated tank excavation pit number 1. This cluster of tanks is also referred to as Tank Cluster 1. Two gasoline tanks were located in excavation pit number 2. The third gasoline tank, designated Tank Number 6, was located in tank excavation pit number 3. See Figures 1 and 2.

The underground tanks were removed by Fuel Oil Polishing, a Sonoma, California based tank removal contractor. The tanks and their residual liquids were handled by Erickson, Inc., of Richmond, California. Erickson was a subcontractor of Fuel Oil Polishing.

Field Investigations

Soil samples were collected by removing soil using a backhoe to initially collect soil from inaccessible areas of the tank pits. Soil samples were then troweled into laboratory supplied glass jars. The glass jars were immediately sealed, labeled, and placed into an ice chest for temporary storage and shipment to Curtis and Tompkins, a California state certified laboratory. Six soil samples were collected from Tank Cluster Number 1, three soil sample



June 17, 1993
Mr. John Piggott
Page 2

were collected from Tank Cluster Number 2 and two soil sample were collected from around Tank Number 6.

A seventh soil sample was required by the Alameda County Health Care Agency due to elevated concentrations of diesel in sample TC1C. This soil sample was from Tank Cluster Number 1.

Additional soil samples were collected from soil piles, stockpiled onsite from the three tank excavations. These soil piles were the residual soil removed from above and from the sides of the tanks during the tank removal process. This additional sampling and analysis was being conducted to show that the soil is within Alameda County Health Care Agency guidelines to place back into the tank pits as "clean fill". These additional soil sample locations are presented in Figure 2.

Laboratory Results and Data Analysis

Soil samples collected from the diesel Tank Cluster Number 1 were analyzed for Total Petroleum Hydrocarbons (TPH) diesel, benzene, toluene, total xylenes and ethylbenzene (BTEX) using EPA Method modified 8015 and EPA METHOD 8020, respectively. Soil samples collected from Tank Cluster Number 2 and around Tank Number 6 were analyzed for total lead, organic lead, TPH gasoline, and BTEX.

Water samples were collected twice. The first groundwater sample was collected on May 6, 1992. The second water sample was collected on May 12, 1992. There was no water in Tank Cluster Number 1 on May 6, 1992.

A summary table of soil and groundwater results from the tank pits is presented in Table 1. Copies of the analytical results are contained in Appendix 1.

Soil Analysis

A sample collected from tank excavation pit number 1 detected TPH as diesel at concentration of 80 milligrams per kilogram (mg/Kg) from sample TC1C. Two soil samples from tank excavation pit number 2 had detectable levels of hydrocarbons. Soil sample TC2B had detected 0.460 mg/Kg ethylbenzene and 0.700 mg/Kg total xylenes. Total lead was also detected in samples TC2B and TC2C at concentrations of 8 and 13 mg/Kg, respectively.

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Mr. John Piggott
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Tank excavation pit number 3 had only total lead detected in soil samples. These lead concentrations were 7 and 46 mg/Kg believed to have resulted from lead-containing debris in the original fill materials placed in the early 1900's. There were no fuel hydrocarbons detected in any of these samples.

Due to the high diesel concentrations detected in soil sample TC1C, some additional excavation was required, and an additional sample was required to be collected by Alameda County Health Care Agency representatives. This second sample was collected in the vicinity of sample TC1C and labeled TC1G. This sample had detected TPH as diesel at 6 mg/Kg.

Groundwater Analysis

Two rounds of groundwater sampling occurred. The first round of groundwater sampling occurred on May 6, 1992. Groundwater was observed in tank excavation pit numbers 2 and 3. Tank excavation pit number 1, had no water at this time. Due to high concentrations of benzene and total xylenes detected in a sample from tank excavation pit number 2, Alameda County Health Care Agency suggested to Wilanco that the groundwater be pumped several times to obtain a more representative sample of groundwater. The second round of groundwater sampling occurred on May 12, 1992. All three excavations had water in them at this time. The groundwater samples were analyzed for the same parameters as the soil samples. The results of the groundwater sampling are presented in Table 1.

Groundwater samples were collected from the tank excavations by dipping the sample jars directly into the standing water. The laboratory supplied jars were then labeled, and placed into iced coolers for temporary storage and shipment to Curtis and Tompkins, LTD.

The second groundwater sample collected from Tank Cluster Number 2 detected benzene at 0.068 milligrams per liter (mg/l). This concentration exceeds both the California Maximum Contaminant Level (MCL) (0.0010 mg/l) and the U.S. EPA MCL (0.0050 mg/l) for benzene in drinking water. The California standard will be used by the agencies to determine if additional monitoring is required.

Disposition of the soil piles

The soil removed from each of the tank excavations was stockpiled separately. Soils with obvious contamination were segregated. All of the piles were placed on visquine plastic sheeting and covered with same.



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Mr. John Piggott
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On June 19, 1992 soil samples were collected from soil stock piles from Tank Excavation 1 and Tank Excavation 3. The results of these analyses are presented in Table 2. Upon determination that the soils in the two soil piles were within the Alameda County Health Care Agency's limits, the soils were placed back into the pits from which they were removed. Additional clean fill was imported to bring the elevation to grade. The site was then paved with concrete cement to match the existing surface.

The soil excavated from Tank Excavation 2 (designated by sample SS-9) was not placed back into the pit. The pit was filled with clean fill and the surface concreted to match the existing surface. The contaminated soil was treated using biodegradation techniques. The soil was resampled on May 4, 1993 with the results below the Alameda County Health Care Agency's limits. A copy of the results is contained in Appendix 2. The remediated soil, along with soil subsequently excavated from elsewhere onsite, was disposed of at the Redwood Landfill located in Novato, California. Results contained in Appendix 2 also include samples of the additional soil excavated from elsewhere onsite (sample designated SS-5 through SS-8 composite), as required by the landfill operator.

Conclusions

Based upon the results of the second groundwater sample, the Alameda County Health Care Agency is requiring groundwater monitoring down gradient of Tank cluster number 2. Additional monitoring wells are currently being planned in this area as part of a separate site remediation program which is anticipated to proceed in 1993.

Limitations

This report and all field data, notes, and laboratory test data (herein collectively "information") were prepared by ENSR Consulting and Engineering (ENSR) for Wilanco Incorporated (client). Client may release this report to third parties, who may use and rely upon this information at their discretion. However, any use of or reliance upon this information by a party other than client shall be solely at the risk of such third party and without legal recourse against ENSR, or its subsidiaries and affiliates, or their respective employees, officers, or directors, regardless of whether the action in which recovery of damages is sought is based upon contract, tort, (including the sole, concurrent, or other negligence and strict liability of ENSR), statute, or otherwise. This report shall not be used or relied upon by a party which does not agree to be bound by the above statement. Additionally, this information was generated and/or gathered by ENSR subject to the specific budgetary, time, and other constraints of ENSR's client based upon a limited investigation



June 17, 1993
Mr. John Piggott
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of the site. All statements and conclusions contained in this report are necessarily limited to the particular portions of the site actually investigated and/or tests by ENSR.

Very truly yours

A handwritten signature in cursive script that reads "Paul Hilbelink".

Paul Hilbelink
Project Manager

Project Number 7295-001

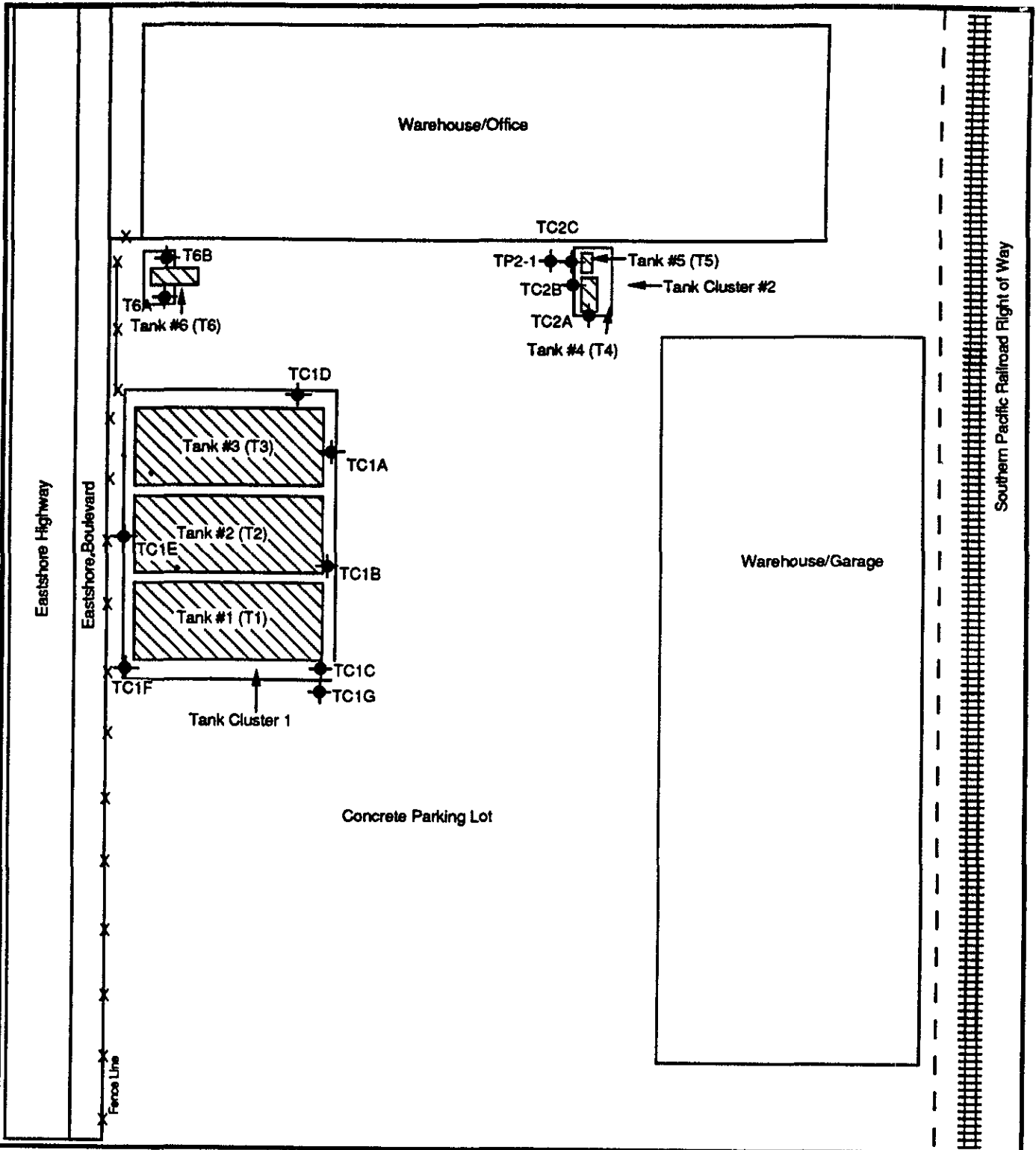
enclosures

Soil Sample	Units									
Constituent		Lead	Organic Lead	TPH gas	TPH diesel	TPH kerosen	Benzene	Toluene	Ethylbenzen	Total Xylenes
Tank Cluster 1										
TC 1A	mg/Kg	NA	NA	NA	4	**	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
TC 1B	mg/Kg	NA	NA	NA	ND (<1)	ND (<1)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
TC 1C*	mg/Kg	NA	NA	NA	80	**	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
TC 1D	mg/Kg	NA	NA	NA	ND (<1)	ND (<1)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
TC 1E	mg/Kg	NA	NA	NA	ND (<1)	ND (<1)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
TC 1F	mg/Kg	NA	NA	NA	ND (<1)	ND (<1)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
TC 1G	mg/Kg	NA	NA	NA	6	**	NA	NA	NA	NA
Tank Cluster 2										
TC 2A	mg/Kg	ND (3)	ND (0.5)	ND (<1)	NA	NA	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
TC 2B	mg/Kg	8	ND (0.5)	ND (<1)	NA	NA	ND (<0.005)	ND (<0.005)	0.460	0.700
TC 2C@	mg/Kg	13	ND (0.5)	250	NA	NA	0.150	ND (0.080)	4.200	3.100
TP2-1	mg/Kg	NA	NA	2	NA	NA	ND (<0.005)	ND (<0.005)	0.012	ND (<0.005)
Tank #6										
T6A	mg/Kg	7	ND (0.5)	ND (<1)	NA	NA	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
T6B	mg/Kg	46	ND (0.5)	ND (<1)	NA	NA	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
California Hazardous Waste Concentration Limits										
TTLC	mg/Kg	1,000		NA	NA	NA		NA		
STLC	mg/l	5		NA	NA	NA		NA		
U.S. EPA	mg/l	5		NA	NA	NA		NA		
TCLP Limits										
Notes: NA-Not Analyzed, ND-Not Detected, NF-Not Found, na-Not Available										
* See TC 1G for resample, @ see TP2-1 for resample										
First Water Sample										
TC-2	mg/l	ND (0.003)	ND (0.100)	20.0	NA	NA	0.140	0.410	0.510	2.9
T6	mg/l	0.010	ND (0.100)	0.530			0.001	0.003	0.006	0.037
Second Water Sample										
TC1-1	mg/l	NA	NA	NA	3.4	**	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
TC2-1	mg/l	0.004	ND (0.100)	3.8	NA	NA	0.068	0.059	0.073	0.440
T6-1	mg/l	ND (0.003)	ND (0.100)	0.160	NA	NA	ND(0.0005)	0.0009	0.0006	0.0037
** Quantitated as diesel range										
California Maximum Contaminant Levels										
Primary		0.050	na	na	na	na	0.0010	NA	0.6800	1.7500
U.S. EPA MCLs		0.050/0.015***	na	na	na	na	0.0050	1	0.7000	10.0000
***-Effective December 7, 1992, "Action Level" not to be exceeded in more than 10% of the samples.										
Source of Regulatory Information: "A Compilation of Water Quality Goals", Sept 1991, Staff Report of the California Regional Water Quality Control Board, Central Valley Region										

Table 2 Wilanco Soil Pile Sample Results

Soil Sample	Units	Lead	Organic Lead	TPH gas	TPH diesel	TPH kerosene	Benzene	Toluene	Ethylbenzene	Total Xylenes
Soil Pile Samples										
SS-1	mg/Kg	NA	NA	NA	ND (<1)	ND (<1)	NA	NA	NA	NA
SS-2	mg/Kg	NA	NA	NA	8	ND (<1)	NA	NA	NA	NA
SS-3	mg/Kg	NA	NA	NA	2	ND (<1)	NA	NA	NA	NA
SS-4	mg/Kg	NA	NA	NA	11	ND (<1)	NA	NA	NA	NA
SS-5	mg/Kg	NA	NA	NA	9	*	NA	NA	NA	NA
SS-6	mg/Kg	NA	NA	NA	3	*	NA	NA	NA	NA
SS-7	mg/Kg	NA	NA	NA	ND (<1)	ND (<1)	NA	NA	NA	NA
SS-8	mg/Kg	NA	NA	ND (<1)	NA	NA	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
SS-9 *	mg/Kg	NA	NA	7,500	NA	NA	12	59	230	1,000
SS-10	mg/Kg	NA	NA	ND (<1)	NA	NA	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
California Hazardous Waste Concentration Limits										
TTLIC	mg/Kg	1,000		NA	NA	NA	NA	NA	NA	NA
STLC	mg/l	5		NA	NA	NA	NA	NA	NA	NA
U.S. EPA	mg/l	5		NA	NA	NA	0.5	NA	NA	NA
TCLP Limits										

* Treated and resampled 5/4/93. See Appendix 2 for results of composited samples SS-1 through SS-4.



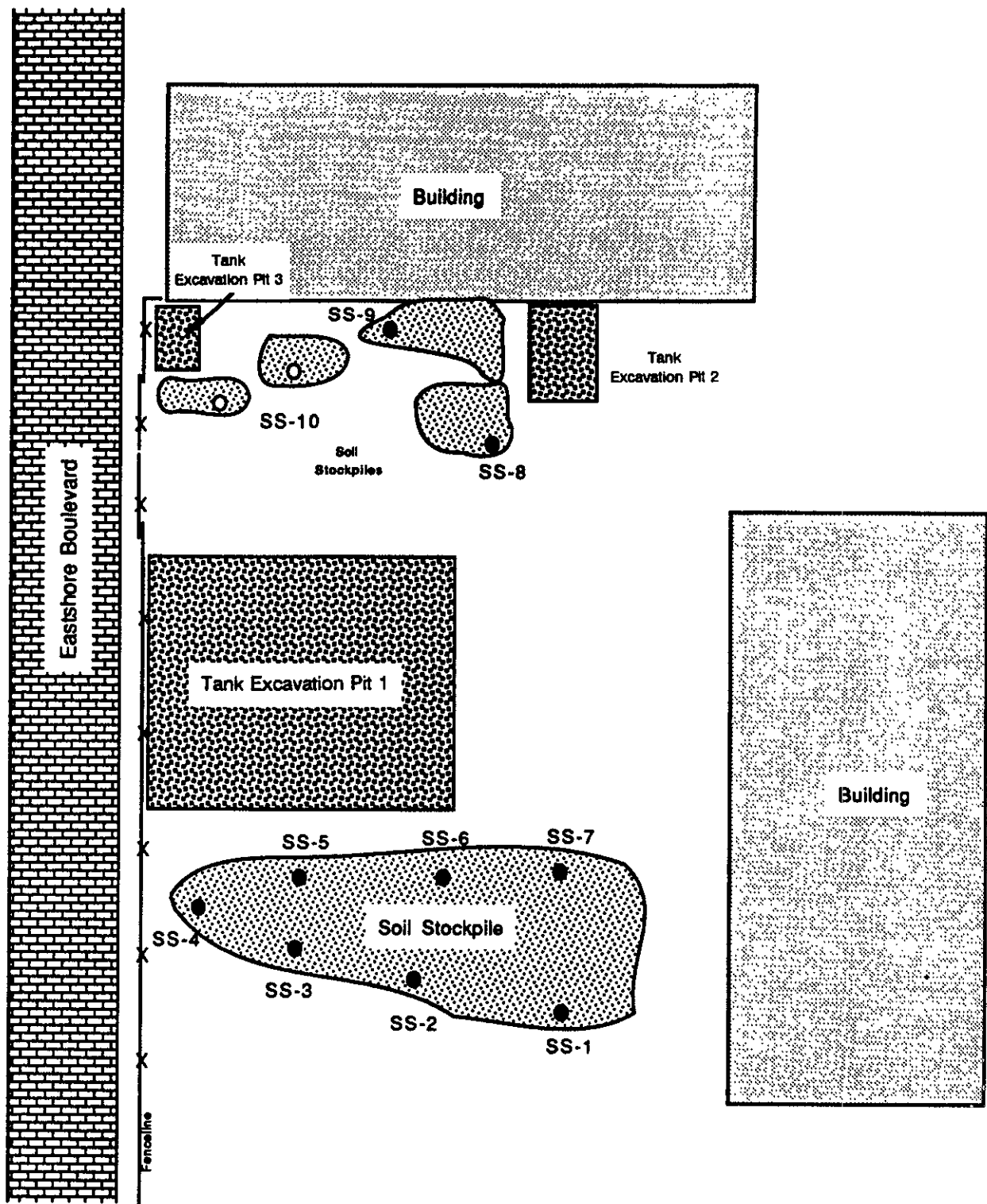

 NOT TO SCALE
 BOUNDARIES APPROXIMATE

 Tank Location
 TC1G Soil Sample Location

ENSR
 ENSR Consulting and Engineering

FIGURE 1
TANK LOCATION MAP
WILANCO SITE
 1077 Eastshore Blvd.
 Albany, California

DRAWN W Akyama	DATE November 17, 1992	PROJECT NO. 7295-002-200	REV X
FILE NO.	CHECKED		



Explanation

- Soil Sample
- SS-2
- Composite Soil Sample
- SS-10



ENSR Consulting and Engineering

**SOIL STOCKPILE SAMPLING LOCATIONS
WILANCO SITE
1077 Eastshore Blvd., Albany, California**

DRAWN BY: Brian Ho	DATE: 6/25/92	ENSR Project No. 7295-002
CHK BY:	REVISED: 11/20/92	FIGURE NO.: 2

APPENDIX 1



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

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

DATE RECEIVED: 05/07/92

DATE REPORTED: 05/19/92

LABORATORY NUMBER: 107328

CLIENT: ENSR CORPORATION

PROJECT ID: 7295 002 100

LOCATION: WILANCO

RESULTS: SEE ATTACHED

Kathleen Obrien

Reviewed By

[Signature]

Reviewed By

LABORATORY NUMBER: 107328
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7295 002 100
 LOCATION: WILANCO

DATE SAMPLED: 05/07/92
 DATE RECEIVED: 05/07/92
 DATE ANALYZED: 05/16/92
 DATE REPORTED: 05/19/92

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

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
107328-004	TC 2C	250(16)	150(80)	ND(80)	4200(80)	3100(80)

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

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	102

LABORATORY NUMBER: 107328
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7295 002 100
 LOCATION: WILANCO

DATE SAMPLED: 05/07/92
 DATE RECEIVED: 05/07/92
 DATE ANALYZED: 05/11/92
 DATE REPORTED: 05/19/92

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

LAB ID	SAMPLE ID	RESULT	UNITS	REPORTING LIMIT
107328-001	T6A	7	mg /Kg	3
107328-002	TC 2A	ND	mg /Kg	3
107328-003	TC 2B	8	mg /Kg	3
107328-004	TC 2C	13	mg /Kg	3

ND = Not detected at or above reporting limit.

QA/QC SUMMARY:

=====
 RPD, % 3
 RECOVERY, % 94
 =====

LABORATORY NUMBER: 107328
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7295 002 100
 LOCATION: WILANCO

DATE SAMPLED: 05/07/92
 DATE RECEIVED: 05/07/92
 DATE ANALYZED: 05/13/92
 DATE REPORTED: 05/19/92

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

LAB ID	SAMPLE ID	RESULT	UNITS	REPORTING LIMIT
107328-001	T6A	ND	mg /Kg	0.5
107328-002	TC 2A	ND	mg /Kg	0.5
107328-003	TC 2B	ND	mg /Kg	0.5
107328-004	TC 2C	ND	mg /Kg	0.5

ND = Not detected at or above reporting limit.

QA/QC SUMMARY:

=====
 RPD, % 3
 RECOVERY, % 114
 =====

LABORATORY NUMBER: 107328
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7295 002 100
 LOCATION: WILANCO

DATE SAMPLED: 05/07/92
 DATE RECEIVED: 05/07/92
 DATE ANALYZED: 05/13/92
 DATE REPORTED: 05/19/92
 DATE REVISED: 05/21/92

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

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
107328-001	T6A	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
107328-002	TC 2A	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
107328-003	TC 2B	42(1)	ND(5)	ND(5)	460(5)	700(5)

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

QA/QC SUMMARY

RPD, %	9
RECOVERY, %	92

LABORATORY NUMBER: 107328
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7295 002 100
 LOCATION: WILANCO

DATE SAMPLED: 05/07/92
 DATE RECEIVED: 05/07/92
 DATE ANALYZED: 05/13/92
 DATE REPORTED: 05/19/92
 DATE REVISED: 05/21/92

Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	SAMPLE ID	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)	REPORTING LIMIT * (ug/Kg)
107328-005	TC 1A	ND	ND	ND	ND	5
107328-006	TC 1B	ND	ND	ND	ND	5
107328-007	TC 1C	ND	ND	ND	ND	5
107328-008	TC 1D	ND	ND	ND	ND	5
107328-009	TC 1E	ND	ND	ND	ND	5
107328-010	TC 1F	ND	ND	ND	ND	5

ND = Not detected at or above reporting limit.

* Reporting Limit applies to all analytes.

QA/QC SUMMARY

RPD, % 9
 RECOVERY, % 92

LABORATORY NUMBER: 107328
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7295 002 100
 LOCATION: WILANCO

DATE SAMPLED: 05/07/92
 DATE RECEIVED: 05/07/92
 DATE EXTRACTED: 05/11/92
 DATE ANALYZED: 05/12-13/92
 DATE REPORTED: 05/19/92

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

LAB ID	SAMPLE ID	KEROSENE RANGE (mg /Kg)	DIESEL RANGE (mg /Kg)	REPORTING LIMIT* (mg /Kg)
107328-005	TC 1A	**	4	1
107328-006	TC 1B	ND	ND	1
107328-007	TC 1C	**	80	1
107328-008	TC 1D	ND	ND	1
107328-009	TC 1E	ND	ND	1
107328-010	TC 1F	ND	ND	1

ND = Not Detected at or above reporting limit.

* Reporting limit applies to all analytes.

** Quantitated as diesel range

QA/QC SUMMARY

=====

LABORATORY CONTROL SAMPLE, % RECOVERY

=====

CHAIN OF CUSTODY RECORD

Client/Project Name <i>W. Lanco</i>			Project Location <i>ALBANY, CA</i>			ANALYSES									
Project No. <i>7295002100</i>			Field Logbook No.								<div style="display: flex; justify-content: space-around; font-size: small;"> TPH GAS BTEX TOTAL LEAD ORGANIC LEAD TPH DIESEL </div>				
Sampler: (Signature) <i>Wayne A. O'Connell</i>			Chain of Custody Tape No.												
Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample							REMARKS				
<i>T6A</i>	<i>5/7/92</i>	<i>11:45</i>	<i>107328-1</i>	<i>Sol</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>							
<i>TC2A</i>		<i>11:50</i>	<i>-2</i>		<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>							
<i>TC2B</i>		<i>11:55</i>	<i>-3</i>		<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>							
<i>TC2C</i>		<i>11:56</i>	<i>-4</i>		<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>							
<i>TC1A</i>		<i>14:20</i>	<i>-5</i>			<i>X</i>			<i>X</i>						
<i>TC 1A 1B</i>		<i>14:30</i>	<i>-6</i>			<i>X</i>			<i>X</i>						
<i>TC1C</i>		<i>14:35</i>	<i>-7</i>			<i>X</i>			<i>X</i>						
<i>TC1D</i>		<i>14:40</i>	<i>-8</i>			<i>X</i>			<i>X</i>						
Relinquished by: (Signature) <i>Wayne A. O'Connell</i>				Date <i>5/7/92</i>	Time <i>3:44</i>	Received by: (Signature) <i>[Signature]</i>				Date	Time				
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time				
Relinquished by: (Signature)				Date	Time	Received for Laboratory: (Signature) <i>[Signature]</i>				Date <i>5/7/92</i>	Time <i>15:44</i>				
Sample Disposal Method:				Disposed of by: (Signature) <i>[Signature]</i>				Date	Time						
SAMPLE COLLECTOR				ANALYTICAL LABORATORY				ENSR							

CHAIN OF CUSTODY RECORD

Client/Project Name <i>WILANCO</i>			Project Location			ANALYSES					
Project No. <i>7295002100</i>			Field Logbook No.								
Sampler: (Signature) <i>Wayne J. O'Connell</i>			Chain of Custody Tape No.								
Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TPH Diesel	BTX					REMARKS
TCIE	5/7/92	1445	107328-9	Soil	x	x					
TCIE		1450	-10	"	x	x					
Relinquished by: (Signature) <i>Wayne J. O'Connell</i>				Date <i>5/7/92</i>	Time <i>3:44pm</i>	Received by: (Signature)				Date	Time
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time
Relinquished by: (Signature)				Date	Time	Received for Laboratory: (Signature) <i>[Signature]</i>				Date <i>5/7/92</i>	Time <i>1544</i>
Sample Disposal Method:				Disposed of by: (Signature)				Date	Time		
SAMPLE COLLECTOR				ANALYTICAL LABORATORY				ENSR			



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

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

DATE RECEIVED: 05/06/92
DATE REPORTED: 05/21, 22/92

LABORATORY NUMBER: 107320

CLIENT: ENSR

PROJECT ID: 7295 002 100

LOCATION: WILANCO

RESULTS: SEE ATTACHED

Kathleen Bin

Reviewed By

[Signature]

Reviewed By

LABORATORY NUMBER: 107320
 CLIENT: ENSR
 PROJECT ID: 7295 002 100
 LOCATION: WILANCO

DATE SAMPLED: 05/06/92
 DATE RECEIVED: 05/06/92
 DATE ANALYZED: 05/14/92
 DATE REPORTED: 05/21/92

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

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
107320-3	T6 B	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)

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

QA/QC SUMMARY

=====
 RPD, % 9
 RECOVERY, % 92
 =====

LABORATORY NUMBER: 107320
CLIENT: ENSR
PROJECT ID: 7295 002 100
LOCATION: WILANCO

DATE SAMPLED: 05/06/92
DATE RECEIVED: 05/06/92
DATE ANALYZED: 05/11/92
DATE REPORTED: 05/21/92

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

LAB ID	SAMPLE ID	RESULT	UNITS	REPORTING LIMIT
107320-3	T6 B	46	mg /Kg	3

ND = Not detected at or above reporting limit.

QA/QC SUMMARY:

=====
RPD, % 3
RECOVERY, % 94
=====

LABORATORY NUMBER: 107320
 CLIENT: ENSR
 PROJECT ID: 7295 002 100
 LOCATION: WILANCO

DATE SAMPLED: 05/06/92
 DATE RECEIVED: 05/06/92
 DATE ANALYZED: 05/21/92
 DATE REPORTED: 05/22/92

=====

ANALYSIS: ORGANIC LEAD
 ANALYSIS METHOD: CA DHS METHOD, LUFT MANUAL OCT 1989

=====

LAB ID	CLIENT ID	RESULT	UNITS	REPORTING LIMIT
107320-3	T6 B	ND	mg /Kg	0.5

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

=====

RPD, %	7
RECOVERY, %	105

=====

LABORATORY NUMBER: 107320
 CLIENT: ENSR
 PROJECT ID: 7295 002 10
 LOCATION: WILANCO

DATE SAMPLED: 05/06/92
 DATE RECEIVED: 05/06/92
 DATE ANALYZED: 05/16/92
 DATE REPORTED: 05/21/92

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

LAB ID	SAMPLE ID	TVH AS GASOLINE (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL BENZENE (ug/L)	TOTAL XYLENES (ug/L)
107320-1	TC 2	20,000	140	410	510	2,900
107320-2	T6	530	1	3	6	37

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

QA/QC SUMMARY

RPD, %	2
RECOVERY, %	105

LABORATORY NUMBER: 107320
 CLIENT: ENSR
 PROJECT ID: 7295 002 100
 LOCATION: WILANCO

DATE SAMPLED: 05/06/92
 DATE RECEIVED: 05/06/92
 DATE ANALYZED: 05/12/92
 DATE REPORTED: 05/21/92

=====
 ANALYSIS: LEAD
 ANALYSIS METHOD: EPA 7421
 =====

LAB ID	SAMPLE ID	RESULT	UNITS	REPORTING LIMIT
107320-1	TC 2	ND	ug/L	3
107320-2	T6	10	ug/L	3

ND = Not detected at or above reporting limit.

QA/QC SUMMARY:

=====
 RPD, % 4
 RECOVERY, % 102
 =====

LABORATORY NUMBER: 107320
 CLIENT: ENSR
 PROJECT ID: 7295 002 100
 LOCATION: WILANCO

DATE SAMPLED: 05/06/92
 DATE RECEIVED: 05/06/92
 DATE ANALYZED: 05/13/92
 DATE REPORTED: 05/21/92

=====
 ANALYSIS: ORGANIC LEAD
 ANALYSIS METHOD: CA DHS METHOD, LUFT MANUAL OCT 1989
 =====

LAB ID	CLIENT ID	RESULT	UNITS	REPORTING LIMIT
107320-1	TC 2	ND	ug/L	100
107320-2	T6	ND	ug/L	100

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

=====
 RPD, % <1
 RECOVERY, % 115
 =====

CHAIN OF CUSTODY RECORD

Client/Project Name <i>WILANCO</i>			Project Location <i>ALBANY, CA</i>			ANALYSES					
Project No. <i>7295 002 100</i>			Field Logbook No.								
Sampler: (Signature) <i>Wayne J. Arnyanna</i>			Chain of Custody Tape No.			<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TOTAL GASOLINE</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TOTAL PAHs</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">ORGANIC LEAD</div> </div>					
Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample							
<i>TC2</i>	<i>5/6/92</i>		<i>107320+1</i>	<i>GROUNDWATER</i>	<i>Y</i>	<i>Y</i>	<i>X</i>	<i>X</i>			
<i>T6</i>	<i>"</i>		<i>-2</i>	<i>GROUNDWATER</i>	<i>X</i>	<i>Y</i>	<i>X</i>	<i>X</i>			
<i>T6B</i>	<i>"</i>		<i>-3</i>	<i>SOIL</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			
Relinquished by: (Signature) <i>Wayne J. Arnyanna</i>			Date <i>5/6/92</i>	Time <i>4:30 PM</i>	Received by: (Signature)			Date	Time		
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time		
Relinquished by: (Signature)			Date	Time	Received for Laboratory: (Signature) <i>[Signature]</i>			Date <i>5/6/92</i>	Time <i>1630</i>		
Sample Disposal Method:			Disposed of by: (Signature) <i>[Signature]</i>			Date	Time				
SAMPLE COLLECTOR				ANALYTICAL LABORATORY				ENSR			



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DATE RECEIVED: 05/12/92

DATE REPORTED: 05/26/92

LABORATORY NUMBER: 107370

CLIENT: ENSR CORPORATION

PROJECT ID: 7295 002 100

LOCATION: WILANCO

RESULTS: SEE ATTACHED

Kathy O'Brien
Reviewed By _____
[Signature]
Reviewed By _____

LABORATORY NUMBER: 107370
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7295 002 100
 LOCATION: WILANCO

DATE SAMPLED: 05/12/92
 DATE RECEIVED: 05/12/92
 DATE ANALYZED: 05/18-19/92
 DATE REPORTED: 05/26/92

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

LAB ID	SAMPLE ID	TVH AS GASOLINE (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL BENZENE (ug/L)	TOTAL XYLENES (ug/L)
107370-001	TC1-1	NR	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
107370-002	TC2-1	3,800(50)	68(0.5)	59(0.5)	73(0.5)	440(0.5)
107370-003	T6-1	160(50)	ND(0.5)	0.9(0.5)	0.6(0.5)	3.7(0.5)

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

NR = Not Requested

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	102

LABORATORY NUMBER: 107370
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7295 002 100
 LOCATION: WILANCO

DATE SAMPLED: 05/12/92
 DATE RECEIVED: 05/12/92
 DATE EXTRACTED: 05/14/92
 DATE ANALYZED: 05/15/92
 DATE REPORTED: 05/26/92

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

LAB ID	CLIENT ID	KEROSENE RANGE (ug/L)	DIESEL RANGE (ug/L)	REPORTING LIMIT* (ug/L)
107370-001	TC1-1	**	3,400	50

ND = Not detected at or above reporting limit.

* Reporting limit applies to all analytes.

** Quantitated as diesel range

QA/QC SUMMARY

RPD, %	11
RECOVERY, %	107

LABORATORY NUMBER: 107370
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7295 002 100
 LOCATION: WILANCO

DATE SAMPLED: 05/12/92
 DATE RECEIVED: 05/12/92
 DATE ANALYZED: 05/21/92
 DATE REPORTED: 05/26/92

=====
 ANALYSIS: LEAD
 ANALYSIS METHOD: EPA 7421
 =====

LAB ID	SAMPLE ID	RESULT	UNITS	REPORTING LIMIT
107370-002	TC2-1	4	ug/L	3
107370-003	T6-1	ND	ug/L	3

ND = Not detected at or above reporting limit.

QA/QC SUMMARY:

=====
 RPD, % <1
 RECOVERY, % 99
 =====

LABORATORY NUMBER: 107370
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7295 002 100
 LOCATION: WILANCO

DATE SAMPLED: 05/12/92
 DATE RECEIVED: 05/12/92
 DATE ANALYZED: 05/13/92
 DATE REPORTED: 05/26/92

=====

ANALYSIS: ORGANIC LEAD
 ANALYSIS METHOD: CA DHS METHOD, LUFT MANUAL OCT 1989

=====

LAB ID	SAMPLE ID	RESULT	UNITS	REPORTING LIMIT
107370-002	TC2-1	ND	ug/L	100
107370-003	T6-1	ND	ug/L	100

ND = Not detected at or above reporting limit.

QA/QC SUMMARY:

=====

RPD, %	1
RECOVERY, %	115

=====

CHAIN OF CUSTODY RECORD

107370

Client/Project Name <i>W. L. ...</i>			Project Location <i>Albany, CA</i>			ANALYSES					
Project No. <i>7275 002 100</i>			Field Logbook No.								
Sampler: (Signature) <i>Wayne A. ...</i>			Chain of Custody Tape No.								
Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TPH GAS	TPHE	TOTR / Lead	LIPIANIC Lead	TPH diesel	REMARKS	
TC1-1	5/12/92	12:45	107370-1	Groundwater		x			x		
TC2-1	↓	2:30P	↓ -2	"	x	x	x	x			
T6-1	↓	1:30	↓ -3	"	x	x	x	x			
Relinquished by: (Signature) <i>Wayne A. ...</i>				Date	Time	Received by: (Signature)				Date	Time
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time
Relinquished by: (Signature)				Date	Time	Received for Laboratory: (Signature) <i>[Signature]</i>				Date	Time
Sample Disposal Method				Disposed of by: (Signature) <i>[Signature]</i>				Date	Time		
SAMPLE COLLECTOR				ANALYTICAL LABORATORY				ENSR			



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DATE RECEIVED: 09/08/92

DATE REPORTED: 09/21/92

LABORATORY NUMBER: 108576

CLIENT: ENSR CORPORATION

PROJECT ID: 7295-002-100

LOCATION: WILANCO

RESULTS: SEE ATTACHED

Reviewed by

LABORATORY NUMBER: 108576
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7295-002-100
 LOCATION: WILANCO

DATE SAMPLED: 09/08/92
 DATE RECEIVED: 09/08/92
 DATE EXTRACTED: 09/14/92
 DATE ANALYZED: 09/16/92
 DATE REPORTED: 09/21/92

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

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
108576-	TC-1G	**	6	1

ND = Not Detected at or above reporting limit.

* Reporting limit applies to all analytes.

** Quantitated as diesel range.

QA/QC SUMMARY

```

=====
RPD, %                                     15
RECOVERY, %                               57
=====
  
```

CHAIN OF CUSTODY RECORD

108576

Client/Project Name <i>Wilanco</i>			Project Location <i>1077 East Shore Highway, Alhambra</i>			ANALYSES					
Project No. <i>7295.002.100</i>			Field Logbook No.								
Sampler (Signature) <i>Paul Hilbelink</i>			Chain of Custody Tape No.								
Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TPH	Diesel					REMARKS
<i>TC-1G</i>	<i>9/8/92</i>	<i>14:50</i>		<i>Soil</i>	<input checked="" type="checkbox"/>						<i>3 Jars</i>
Relinquished by: (Signature) <i>Paul Hilbelink</i>				Date <i>9/8/92</i>	Time <i>15:23</i>	Received by: (Signature)				Date	Time
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time
Relinquished by: (Signature)				Date	Time	Received for Laboratory: (Signature) <i>Monica J. ...</i>				Date <i>9/4/92</i>	Time <i>15:23</i>
Sample Disposal Method:				Disposed of by: (Signature)				Date	Time		
SAMPLE COLLECTOR				ANALYTICAL LABORATORY				ENSR			

CHAIN OF CUSTODY RECORD

Client/Project Name <i>Wilanco</i>			Project Location <i>1077 East Shore Highway, Albion</i>			ANALYSES											
Project No. <i>7295.002.100</i>			Field Logbook No.														
Sampler (Signature) <i>Paul Kibbelink</i>			Chain of Custody Tape No.														
Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TPH @ Diesel						REMARKS						
<i>TC-1E</i>	<i>9/2/92</i>	<i>14:30</i>		<i>Soil</i>							<input checked="" type="checkbox"/>						<i>3 Tars</i>
Relinquished by: (Signature) <i>Paul Kibbelink</i>				Date <i>9/8/92</i>	Time <i>15:23</i>	Received by: (Signature)				Date	Time						
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time						
Relinquished by: (Signature)				Date	Time	Received for Laboratory: (Signature) <i>Nancy J...</i>				Date <i>9-9-92</i>	Time						
Sample Disposal Method:				Disposed of by: (Signature)				Date	Time								
SAMPLE COLLECTOR				ANALYTICAL LABORATORY				ENSR									



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DATE RECEIVED: 6/19/92
DATE REPORTED: 7/06/92
DATE REVISED: 11/16/92

LABORATORY NUMBER: 107728

CLIENT: ENSR CORPORATION

PROJECT ID: 7295-002.100

LOCATION: WILANCO

RESULTS: SEE ATTACHED

Joanne Heath
Reviewed by

Kelly B.
Reviewed by

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LABORATORY NUMBER: 107728
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7295-002.100
 LOCATION: WILANCO

DATE SAMPLED: 6/19/92
 DATE RECEIVED: 6/19/92
 DATE ANALYZED: 6/26/92
 DATE REPORTED: 7/06/92
 DATE REVISED: 11/16/92

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

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
107728-010	SS-9	7,500	12	59	230	1,000

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

QA/QC SUMMARY

RPD, %	6
RECOVERY, %	97

LABORATORY NUMBER: 107728
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7295-002.100
 LOCATION: WILANCO

DATE SAMPLED: 6/19/92
 DATE RECEIVED: 6/19/92
 DATE ANALYZED: 6/20/92
 DATE REPORTED: 7/06/92
 DATE REVISED: 11/16/92

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

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
107728-001	TP2-1	2	ND(5)	ND(5)	12	ND(5)
107728-009	SS-8	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
107728-011	SS-10	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)

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

QA/QC SUMMARY

=====
 RPD, % 6
 RECOVERY, % 90
 =====

LABORATORY NUMBER: 107728
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7295-002.100
 LOCATION: WILANCO

DATE SAMPLED: 6/19/92
 DATE RECEIVED: 6/19/92
 DATE EXTRACTED: 6/22/92
 DATE ANALYZED: 6/23-6/24/92
 DATE REPORTED: 7/06/92
 DATE REVISED: 11/16/92

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

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
107728-002	SS-1	ND	ND	1
107728-003	SS-2	ND	8	1
107728-004	SS-3	ND	2	1
107728-005	SS-4	ND	11	1
107728-006	SS-5	**	9	1
107728-007	SS-6	**	3	1
107728-008	SS-7	ND	ND	10

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

** Quantitated as diesel range.

QA/QC SUMMARY

RPD, %	8
RECOVERY, %	88

CHAIN OF CUSTODY RECORD

Client/Project Name Wilanco			Project Location Albany, CA			ANALYSES					
Project No. 7298-002.100			Field Logbook No.								
Sampler: (Signature) <i>Brian Ho</i>			Chain of Custody Tape No.			3020 BTX E B015 M Gasoline B015 M Diesel					
Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample							REMARKS
TP2-1	6/19/92	12:30	107728 -1	Soil 1 tube		X	X				
SS-1		14:15	-2	Soil 1 tube				X			
SS-2		14:20	-3	Soil 1 tube				X			
SS-3		14:25	-4	Soil 1 tube				X			
SS-4		14:30	-5	Soil 1 tube				X			
SS-5		14:35	-6	Soil 1 tube				X			
SS-6		14:40	-7	Soil 1 tube				X			
SS-7		14:45	-8	Soil 1 tube				X			
Relinquished by: (Signature) <i>Brian Ho</i>			Date	Time	Received by: (Signature)			Date	Time		
			6/19/92	15:30							
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time		
Relinquished by: (Signature)			Date	Time	Received for Laboratory: (Signature)			Date	Time		
					<i>Joanne Deeth</i>			6/19/92	15:30		
Sample Disposal Method:			Disposed of by: (Signature)			Date	Time				
SAMPLE COLLECTOR Brian Ho 1320 Harbor Bay Parkway Alameda, CA 865-1888					ANALYTICAL LABORATORY Curtis & Tompkins, Ltd					ENSR	

APPENDIX 2



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

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DATE RECEIVED: 05/04/93
DATE REPORTED: 05/18/93

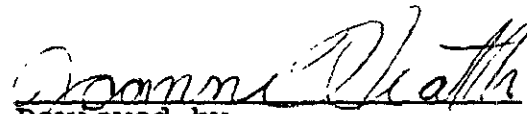
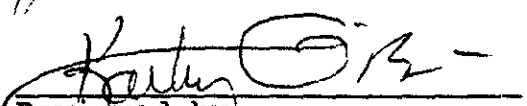
LABORATORY NUMBER: 110817

CLIENT: ENSR

PROJECT ID: 7295.002.100

LOCATION: 1077 EAST SHORE FREEWAY

RESULTS: SEE ATTACHED


Reviewed by

Reviewed by

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LABORATORY NUMBER: 110817
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7295.002.100
 LOCATION: 1077 EAST SHORE FREEWAY

DATE SAMPLED: 05/04/93
 DATE RECEIVED: 05/04/93
 DATE EXTRACTED: 05/12/93
 DATE ANALYZED: 05/13/93
 DATE REPORTED: 05/18/93

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

LAB ID	SAMPLE ID	TVH AS GASOLINE (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL BENZENE (ug/L)	TOTAL XYLENES (ug/L)
110817-9	COMP SS-1,2,3,4	70	ND(0.5)	0.9	ND(0.5)	ND(0.5)
110817-10	COMP SS-5,6,7,8	60	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

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

QA/QC SUMMARY

RPD, % 3
 RECOVERY, % 90



LABORATORY NUMBER: 110817
CLIENT: ENSR CORPORATION
PROJECT ID: 7295.002.100
LOCATION: 1077 EAST SHORE FREEWAY

DATE SAMPLED: 05/04/93
DATE RECEIVED: 05/04/93
DATE ANALYZED: 05/07/93
DATE REPORTED: 05/18/93

=====

ANALYSIS: ORGANIC LEAD
ANALYSIS METHOD: CA DHS METHOD, LUFT MANUAL OCT 1989

=====

LAB ID	CLIENT ID	RESULT	UNITS	REPORTING LIMIT
110817-10	COMP SS-5,6,7,8	2.4	mg/Kg	0.5

QA/QC SUMMARY

=====

RPD, %	3
RECOVERY, %	102

=====

CHAIN OF CUSTODY RECORD

Client/Project Name <i>Wilanco</i>			Project Location <i>1077 East Shore Freeway Albany, CA</i>			ANALYSES							
Project No. <i>7295.002.100</i>			Field Logbook No.										
Sampler: (Signature) <i>Karl Hilbelink</i>			Chain of Custody Tape No.			<div style="display: flex; justify-content: space-around; font-size: small;"> <div style="text-align: center;">TAX CA (EPA 8015)</div> <div style="text-align: center;">STEX (EPA 8020)</div> <div style="text-align: center;">Organic Lead</div> </div>							
Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample								REMARKS	
<i>SS-5</i>	<i>5/4/93</i>	<i>12:05</i>	<i>110817</i>	<i>-5</i>	<i>1 Soil Sample</i> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>								<i>Composite Samples SS-5, SS-6, SS-7 and SS-8 into 1 Sample for Analyses (TCLP Procedures)</i>
<i>SS-6</i>	<i>5/4/93</i>	<i>12:07</i>	↓	<i>-6</i>									
<i>SS-7</i>	<i>5/4/93</i>	<i>12:10</i>	↓	<i>-7</i>									
<i>SS-8</i>	<i>5/4/93</i>	<i>12:12</i>	↓	<i>-8</i>									
Relinquished by: (Signature) <i>Karl Hilbelink</i>				Date <i>5/4/93</i>	Time <i>12:45</i>	Received by: (Signature) _____				Date	Time		
Relinquished by: (Signature) _____				Date	Time	Received by: (Signature) _____				Date	Time		
Relinquished by: (Signature) _____				Date	Time	Received for Laboratory: (Signature) <i>[Signature]</i>				Date <i>5/4/93</i>	Time <i>12:45</i>		
Sample Disposal Method:				Disposed of by: (Signature)				Date	Time				
SAMPLE COLLECTOR				ANALYTICAL LABORATORY				ENSR					

CHAIN OF CUSTODY RECORD

Client/Project Name <i>Wilsono</i>			Project Location <i>1077 East Shore Freeway Albany, CA</i>			ANALYSES										
Project No. <i>7295.002.100</i>			Field Logbook No.													
Sample: (Signature) <i>Paul Kibbelink</i>			Chain of Custody Tape No.			TPH on Gasoline (EPA 8015) BTEX (EPA 8020)										
Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	REMARKS											
<i>SS-1</i>	<i>5/4/93</i>	<i>11:55</i>	<i>110817 -1</i>	} 1 Soil Sample X X	Composite Sample SS-1, SS-2, SS-3 and SS-4 into 1 sample for analyses (TCMP Procedures)											
<i>SS-2</i>	<i>5/4/93</i>	<i>11:57</i>	<i>-2</i>													
<i>SS-3</i>	<i>5/4/93</i>	<i>11:59</i>	<i>-3</i>													
<i>SS-4</i>	<i>5/4/93</i>	<i>12:02</i>	<i>-4</i>													
Relinquished by: (Signature) <i>Paul Kibbelink</i>			Date <i>5/4/93</i>	Time <i>12:45</i>	Received by: (Signature) <i>[Signature]</i>			Date	Time							
Relinquished by: (Signature) <i>[Signature]</i>			Date	Time	Received by: (Signature)			Date	Time							
Relinquished by: (Signature) <i>[Signature]</i>			Date	Time	Received for Laboratory: (Signature) <i>Jim Breen</i>			Date <i>5/4/93</i>	Time <i>12:45</i>							
Sample Disposal Method:			Disposed of by: (Signature)			Date	Time									
SAMPLE COLLECTOR			ANALYTICAL LABORATORY						ENSR							



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

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

DATE RECEIVED: 6/19/92

DATE REPORTED: 7/06/92

LABORATORY NUMBER: 107728

CLIENT: ENSR Corporation

PROJECT ID: 7298-002.100

LOCATION: Wilanco

RESULTS: SEE ATTACHED

Reviewed By

Reviewed By

LABORATORY NUMBER: 107728
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7298-002.100
 LOCATION: WILANCO

DATE SAMPLED: 6/19/92
 DATE RECEIVED: 6/19/92
 DATE EXTRACTED: 6/22/92
 DATE ANALYZED: 6/23-6/24/92
 DATE REPORTED: 7/06/92

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

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
107728-002	SS-1	ND	ND	1
107728-003	SS-2	ND	8	1
107728-004	SS-3	ND	2	1
107728-005	SS-4	ND	11	1
107728-006	SS-5	**	9	1
107728-007	SS-6	**	3	1
107728-008	SS-7	ND	ND	10

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

** Quantitated as diesel range.

QA/QC SUMMARY

RPD, %	8
RECOVERY, %	88

LABORATORY NUMBER: 107728
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7298-002.100
 LOCATION: WILANCO

DATE SAMPLED: 6/19/92
 DATE RECEIVED: 6/19/92
 DATE ANALYZED: 6/20/92
 DATE REPORTED: 7/06/92

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

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
107728-001	TP2-1	2	ND(5)	ND(5)	12	ND(5)
107728-009	SS-8	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
107728-011	SS-10	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)

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

QA/QC SUMMARY

RPD, %	6
RECOVERY, %	90



LABORATORY NUMBER: 107728
 CLIENT: ENSR CORPORATION
 PROJECT ID: 7298-002.100
 LOCATION: WILANCO

DATE SAMPLED: 6/19/92
 DATE RECEIVED: 6/19/92
 DATE ANALYZED: 6/26/92
 DATE REPORTED: 7/06/92

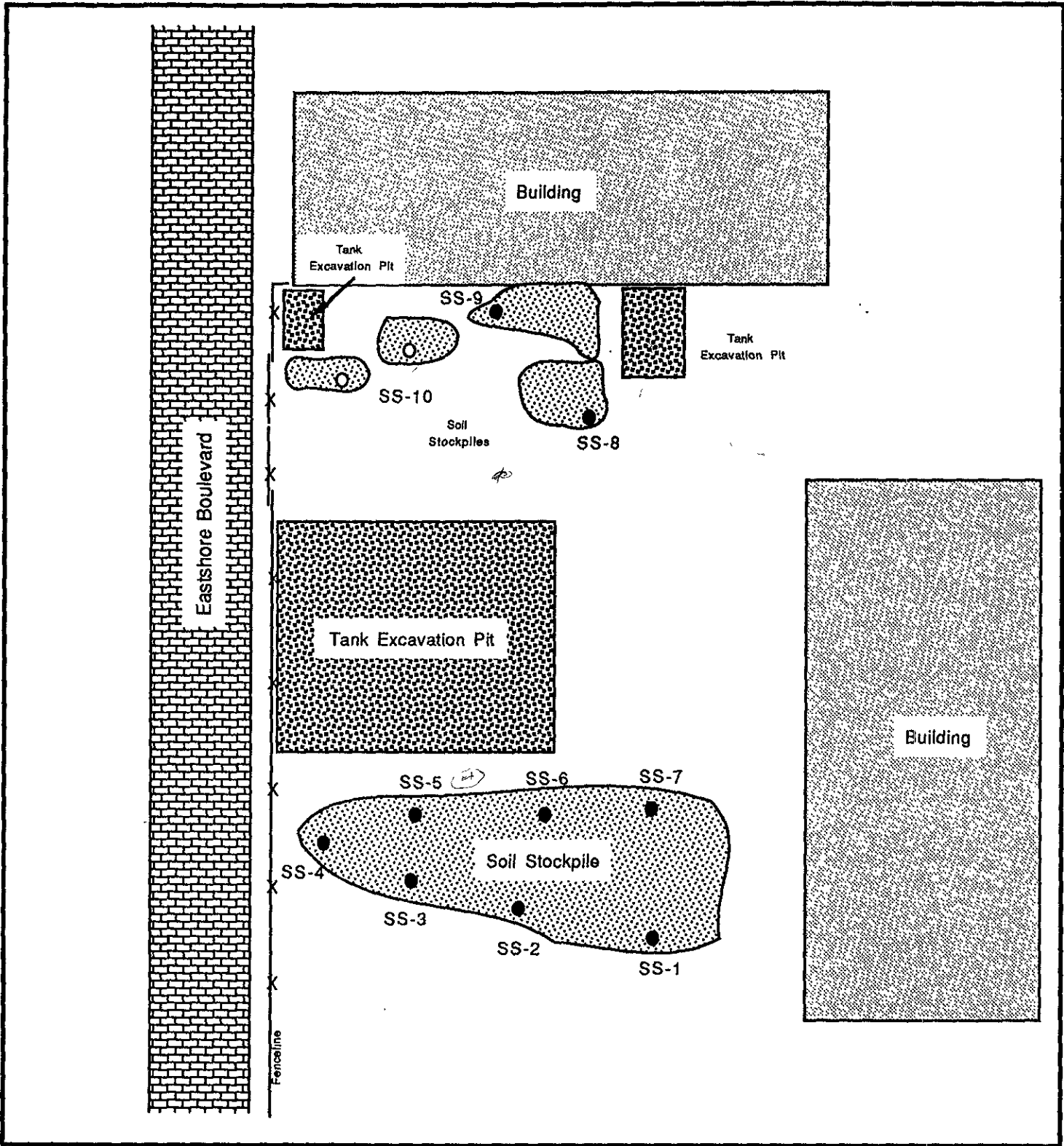
Total Volatile Hydrocarbons with BTXE in Soils & Waste
 TVH by California DOHS Method/LUFT Manual October 1989
 BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
107728-010	SS-9	7,500	12	59	230	1,000

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

QA/QC SUMMARY

RPD, %	6
RECOVERY, %	97



Explanation

- SS-2 Soil Sample
- SS-10 Composite Soil Sample



ENSR Consulting and Engineering

SOIL STOCKPILE SAMPLING LOCATIONS
WILANCO SITE

1077 Eastshore Blvd., Albany, California

DRAWN BY: Brian Ho	DATE: 6/25/92	ENSR Project No. 7295-002
CHK BY:	REVISED:	FIGURE NO.: 1