

CONSULTING GROUND-WATER
GEOLOGISTS AND ENGINEERS
ROUX ASSOCIATES



1340 ARNOLD DRIVE
SUITE 231
MARTINEZ, CALIFORNIA 94553 415 370-2275 FAX # 415 370-2235

DATE: December 18, 1989

TO: Mr. Gil Wistar

COMPANY: Alameda Co. Haz. Materials

FAX NO.: 568-3706

SPRINT #:

FROM: Jerry Wickham

ROUX ASSOCIATES WEST, INC.

FAX NO.: 415-370-2235

NUMBER OF PAGES INCLUDING COVER SHEET: 7

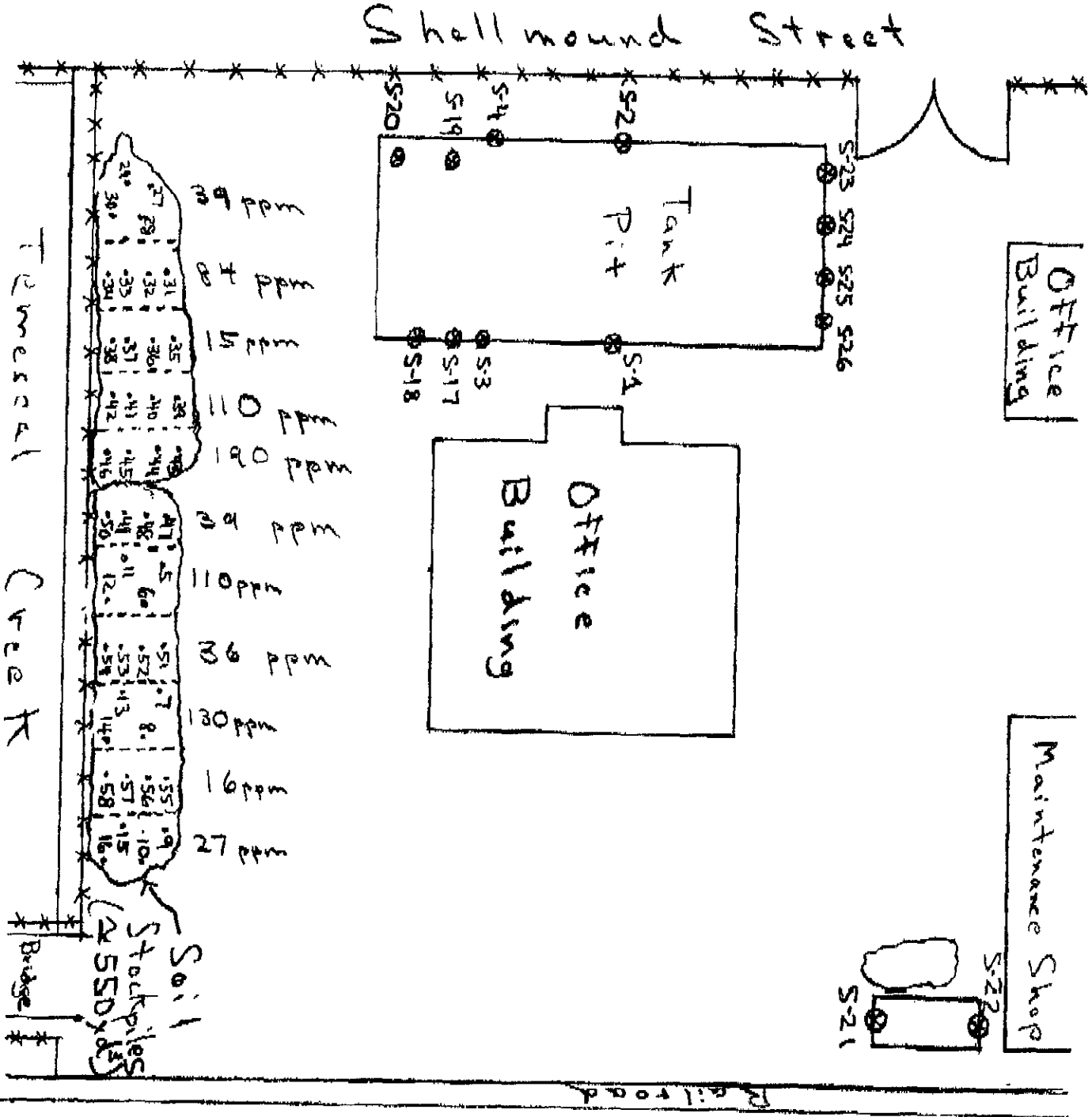
DESCRIPTION: Sampling Results
Pfizer Plant
4650 Shellmound St.
Emeryville, CA



CLIENT/PROJECT Pfizer Emeryville
 BY JTW DATE 12/14/84
 CHECKED BY _____ DATE _____

PAGE 1 OF 1
 PROJECT NO. 04733W

DESCRIPTION Sample Locations





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

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

LABORATORY NUMBER: 18936
CLIENT: ROUX ASSOCIATES
JOB #: 04733W
LOCATION: EMERYVILLE TANK REMOVAL

DATE RECEIVED: 12/13/89
DATE ANALYZED: 12/13/89
DATE REPORTED: 12/13/89

Extractable Petroleum Hydrocarbons in Soils & Wastes
EPA 8015 (Modified)
Extraction Method: EPA 3550

LAB ID	COMPOSITE ID	KEROSENE (mg/Kg)	DIESEL (mg/Kg)	OTHER (mg/Kg)
18936-13	S-5, S-6 S-11, S-12	ND(10)	110*	ND(10)
18936-14	S-7, S-8 S-13, S-14	ND(10)	130*	ND(10)
18936-15	S-9, S-10 S-15, S-16	ND(10)	27*	ND(10)

*HYDROCARBON FOUND IN SAMPLE DOES NOT MATCH STANDARDS. QUANTITATION IS BASED ON AREA SUM WITHIN C12-C26 RANGE OF STANDARDS.

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

Duplicate: Relative % Difference
Spike: % Recovery

2
91

[Signature]
LABORATORY DIRECTOR

Berkeley

Wilmington

Los Angeles

ANAMETRIX, INC.
1881 Concourse Drive, San Jose, CA 95131, (408) 432-8192

TOTAL FUEL HYDROCARBON REPORT

Workorder # 8912139

SAMPLE ID

S-17 S-18 S-19 S-20 S-21
-01 -02 -02 -04 -05

CONCENTRATION UNITS	<u>ug/kg</u>				
BENZENE	<5	<5	<5	<5	<5
TOLUENE	<5	<5	<5	<5	<5
ETHYLBENZENE	<5	<5	13	<5	<5
XYLENES	<5	<5	40	<5	<5
GASOLINE					<1000
DIESEL	<10,000				NR
TOG	<u>70,000</u>	<u>63,000</u>	<u>50,000</u>	<u>30,000</u>	<u>NR</u>
DATE ANALYZED					
GASOLINE	12/14/89	12/14/89	12/14/89	12/14/89	12/14/89
DIESEL	12/13/89	12/14/89	12/14/89	12/13/89	
TOG	12-13-89				
BTEX RLMF *	1	1	1	1	1
GASOLINE RLMF *					1

GASOLINE

Date: 12/14/89

Analyst: Cheryl Brown

DIESEL

Date: 12/14/89

Analyst: mb

METHODS DONE ARE THOSE SPECIFIED BY ORWQCB.
Anamatrix, Inc. GO Department Form 2-1

* RLMF - Reporting Limit Multiplication Factor

/1330

DEC 14 '89 17:00 ANAMETRIX INC. 4001 452 8198

ANAMETRIX, INC.
1861 Concourse Drive, San Jose, CA 95131. (408) 432-8192

TOTAL FUEL HYDROCARBON REPORT

Workorder # 8912139

SAMPLE ID

CONCENTRATION UNITS	S-22 -06	S-23 -07	S-24 -08	S-25 -09	S-26 -10
BENZENE	<5	<5	<5	<5	<5
TOLUENE	<5	<5	<5	<5	<5
ETHYLBENZENE	<5	<5	<5	<5	<5
XYLENES	<5	<5	<5	<5	<5
GASOLINE	<1000				
DIESEL	NR	<10,000			
TOG	NR	<30,000	160,000	<30,000	40,000
DATE ANALYZED					
GASOLINE	12/14/89	12/14/89	12/14/89	12/14/89	12/14/89
DIESEL		12/13/89	12/13/89	12/14/89	12/14/89
TOG		12-13-89	12-13-89	12-13-89	12-13-89
BTEX RLMF *	1	1	1	1	
GASOLINE RLMF *	1				

GASOLINE

DIESEL

Date: _____

Date: 12-14-89

Analyst: Cheryl Beaman

Analyst: mb

METHODS DONE ARE THOSE SPECIFIED BY CRWQCB.
Anametrix, Inc. GC Department Form 2-1

* RLMF - Reporting Limit Multiplication Factor

SUPERIOR ANALYTICAL

TEL No. 415-821-7123

Dec. 16, 89 12:26 P.02

SUPERIOR ANALYTICAL LABORATORY, INC.

1385 FAHLLAX ST. STE D. • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

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

LABORATORY NO.: 61476
CLIENT: Roux Associates
CLIENT JOB NO.: 04733WDATE RECEIVED: 12/14/89
DATE REPORTED: 12/16/89ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS
by Modified EPA SW-846 Method 8016

LAB #	Sample Identification	Concentration (mg/kg) Diesel Range
1	S-27, S-28, S-29, S-30 COMP	39
2	S-31, S-32, S-33, S-34 COMP	84
3	S-35, S-36, S-37, S-38 COMP	15
4	S-39, S-40, S-41, S-42 COMP	110
5	S-43, S-44, S-45, S-46 COMP	190
6	S-47, S-48, S-49, S-50 COMP	39
7	S-51, S-52, S-53, S-54 COMP	36
8	S-55, S-56, S-57, S-58 COMP	10

Minimum Detection Limit for Gasoline and Diesel in soil: 10mg/kg

QA/QC Summary:

Daily Standard run at 200mg/L: RPD Gasoline = 2%
RPD Diesel = 9%

Richard Srna, Ph.D.


 Laboratory Director



CLIENT/PROJECT Pfizer Tank Removal

PAGE 1 OF 1
PROJECT NO. 04733W

BY _____ DATE _____

CHECKED BY _____ DATE _____

DESCRIPTION Sample Results

Verbal Results from Curtis & Tompkins

	<u>TPH Diesel</u>	<u>BTEX</u>	<u>Oil & Grease</u>
S-1	ND	ND	120 ppm
S-2	ND	ND	94 ppm
S-3	ND	Toluene 8 ppb Xylenes 33 ppb	82 ppm
S-4	ND	ND	ND
Detection Limit	10 ppm	5 ppb	