

PORT OF OAKLAND  
 ENVIRONMENTAL  
 DEPARTMENT  
 530 WATER STREET,  
 5TH FLOOR  
 OAKLAND, CA 94607  
 FAX (510) 465-3755  
 PHONE (510) 272-1174

FACSIMILE TRANSMITTAL	
TO	ACDEH
ATTENTION	Jennifer Eberley
FROM	Jon Amdur
DATE & TIME	12/17/93 - 3:00
FAX NUMBER	569-4757
NO. OF PAGES	9

Jennifer-

Here are the results from the  
 707 Ferry St. excavation.

Please note that additional excavations  
 has occurred near the Pump Island.  
 The soil from area PI-2.5 has  
 been excavated to PI-4.5 (PI-2.5  
 has been removed).

Groundwater has been purged twice  
 from the hole (here are the 3rd purge  
 results).

please call with your comments or questions.

Thanks for your help & have a  
 happy holiday season.

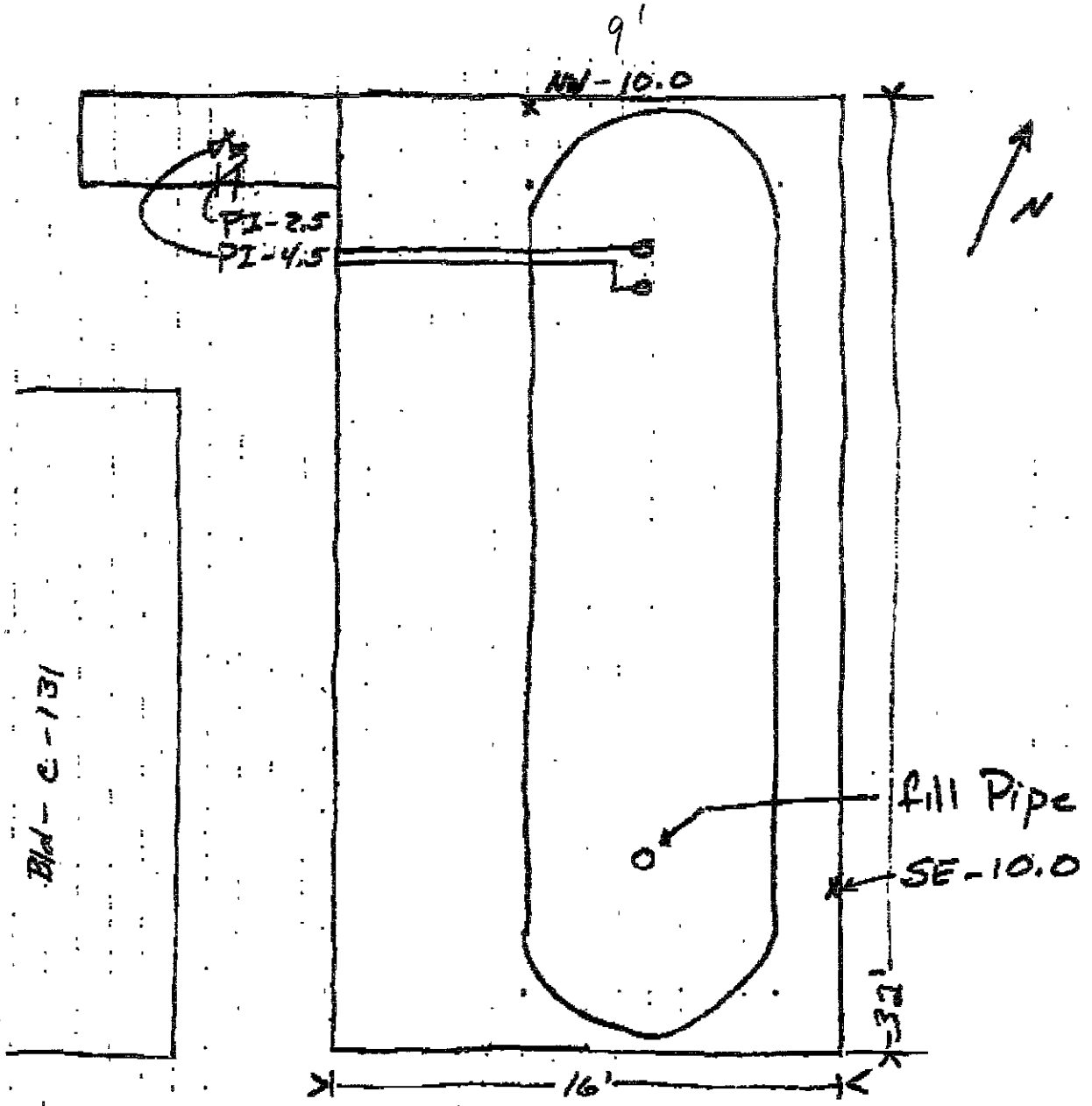
gw  
 results  
 after purging? Jon Amdur  
 (510)-272-1184

12-21 JB: no. bec MWS planned.

dug 1' more. put gravel.

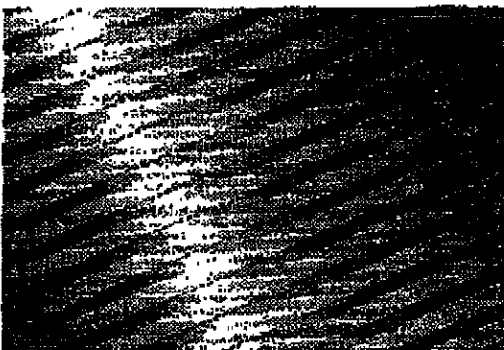


**PORT OF OAKLAND**



X = Sample location  
 number = depth below  
 ground surface  
 ground water depth = 10.5' bgs  
 SK samples are from stockpile

TCBT  
 707 Ferry



**URIBE & ASSOCIATES  
ENVIRONMENTAL CONSULTING SERVICES**



DATE 12/16  
PAGES INCLUDING COVER PAGE 7

(If you did not receive any of these pages, please contact U&A immediately)

ATTENTION

Jon Arden

phone #

COMPANY

Port of Oakland

FAX #

FROM

Oakland  Palo Alto  Bakersfield  Livermore

SUBJECT/  
COMMENTS:

TCBT - 707 Ferry

has results and sample  
location sketch

76 call of 05

Original will not follow

Original will follow via:

Code:

96-405

**OAKLAND**

2930 Lakeshore Ave., Suite 200, Oakland, CA 94610  
Voice 510-832-2233 Modem 510-832-6690  
FAX 510-832-2237

**PALO ALTO**

220 California Ave., Suite 201, Palo Alto, CA 94306  
Voice 415-325-8193 Modem 415-325-8197  
FAX 415-325-8194

**BAKERSFIELD**

110 New State Road, Suite E, Bakersfield, CA 93309  
Voice 805-832-4226 Modem 805-832-0432  
FAX 805-832-8745

**LIVERMORE**

Lawrence Livermore National Laboratory  
DOE T-3574, 7000 East Ave., Livermore, CA 94550  
510-422-0710  
FAX 510-423-7601



Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 113434  
CLIENT: URIBE & ASSOCIATES  
PROJECT ID: 96-405  
LOCATION: PORT OF OAKLAND-TCBT

DATE SAMPLED: 12/03/93  
DATE RECEIVED: 12/06/93  
DATE ANALYZED: 12/12/93  
DATE REPORTED: 12/15/93

**Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8026  
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)
113434-003	96405-PF-2.5	ND	440	2100	3900	80
METHOD BLANK		ND	ND	ND	ND	30

ND = Not detected at or above reporting limit.

Reporting Limit applies to all analytes.

**QA/QC SUMMARY**

**LCS RECOVERY, †**

**99**



Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 113434  
 CLIENT: URIBE & ASSOCIATES  
 PROJECT ID: 96-405  
 LOCATION: PORT OF OAKLAND-TCBT

DATE SAMPLED: 12/03/93  
 DATE RECEIVED: 12/06/93  
 DATE EXTRACTED: 12/04/93  
 DATE ANALYZED: 12/07/93  
 DATE REPORTED: 12/08/93

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

LAB ID	CLIENT ID	KEROSENE RANGE (ug/L)	DIESEL RANGE (ug/L)	REPORTING LIMIT* (ug/L)
113434-5	T WATER	**	50,000	5000
113434-6	H WATER	**	15,000	5000

*below UST  
 side of UST  
 ?*

NOTE: Sample results are overrange and are in the process of being diluted and rerun.

\*\* Kerosene range not reported due to overlap of hydrocarbon ranges.

\* Reporting limit applies to all analytes.

QA/QC SUMMARY

BLANK SPIKE RECOVERY, %	45
BLANK SPIKE DUPLICATE RECOVERY, %	78
RELATIVE PERCENT DIFFERENCE, %	52



Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 113434  
CLIENT: URIBE & ASSOCIATES  
PROJECT ID: 96-405  
LOCATION: PORT OF OAKLAND-TCBT

DATE SAMPLED: 12/03/93  
DATE RECEIVED: 12/06/93  
DATE ANALYZED: 12/08/93  
DATE REPORTED: 12/15/93

**Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020  
Extraction by EPA 8030 Purge and Trap**

LAB ID	CLIENT ID	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL BENZENE (ug/L)	TOTAL XYLENES (ug/L)	REPORTING LIMIT (ug/L)
113434-005	T WATER	ND	ND	ND	ND	0.5
113434-006	H WATER	ND	ND	ND	ND	0.5
METHOD BLANK		ND	ND	ND	ND	0.5

ND = Not detected at or above reporting limit.

Reporting Limit applies to all analytes.

**QA/QC SUMMARY**

RPD, †  
RECOVERY, †

10



Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 113434  
 CLIENT: URIBE & ASSOCIATES  
 PROJECT ID: 96-405  
 LOCATION: PORT OF OAKLAND-TCBT

DATE SAMPLED: 12/03/93  
 DATE RECEIVED: 12/06/93  
 DATE EXTRACTED: 12/06/93  
 DATE ANALYZED: 12/6,7/93  
 DATE REPORTED: 12/08/93

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)
113434-1	96405-NW-10.0	ND	1	1
113434-2	96405-SE-10.0	ND	2	1
113434-3	96405-PI-2.5 } Pump island	4,200	***	100
113434-4	96405-PI-4.5 } Pump island	**	15	1
113434-7	96405-SK-1 } Stockpile	**	180	10
113434-8	96405-SK-2 } Stockpile	**	96	1

ND = Not detected at or above reporting limit.

\* Reporting limit applies to all analytes.

\*\* Kerosene range not reported due to overlap of hydrocarbon ranges.

\*\*\* Diesel range not reported due to overlap of hydrocarbon ranges.

QA/QC SUMMARY

RPD, %	1
RECOVERY, %	94



Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 113434  
CLIENT: URIBE & ASSOCIATES  
PROJECT ID: 56-405  
LOCATION: PORT OF OAKLAND-TCBT

DATE SAMPLED: 12/03/93  
DATE RECEIVED: 12/06/93  
DATE ANALYZED: 12/08/93  
DATE REPORTED: 12/15/93

Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020  
Extraction by EPA 8030 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)
113434-002	96405-SE-10.0	ND	ND	ND	ND	5
113434-004	96405-PI-4.5	ND	ND	ND	ND	5
113434-007	96405-SK-1	ND	ND	ND	ND	5
METHOD BLANK		ND	ND	ND	ND	5

ND = Not detected at or above reporting limit.  
Reporting Limit applies to all analytes.

QA/QC SUMMARY

RPD, %  
RECOVERY, %

<1  
99





LABORATORY NUMBER: 113434  
 CLIENT: DAIDE & ASSOCIATES  
 PROJECT ID: 96-405  
 LOCATION: PORT OF OAKLAND-TCBT

DATE SAMPLED: 12/03/93  
 DATE RECEIVED: 12/06/93  
 DATE ANALYZED: 12/09/93  
 DATE REPORTED: 12/15/93

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)
113434-001	96405-NW-10.0	ND	ND	ND	ND	5
113434-008	96405-SK-2	ND	ND	ND	ND	5
METHOD BLANK		ND	ND	ND	ND	5

ND = Not detected at or above reporting limit.

Reporting Limit applies to all analytes.

QA/QC SUMMARY

RPD, %	3
RECOVERY, %	91

DEC 16 1993 09:17

USA BARDEC 17 93 09:10PM PORT OF OAKLAND ENVIRON DEPT  
 1 518 BEZ 2287 ND Q17 F.00  
 DEC 16 1993 09:06AM