



## WALKER'S HYDRAULICS

250 KEATS CIRCLE  
PLEASANT HILL, CA 94523  
(415) 935-5518

June 10, 1991

Barney Chan  
Alameda County Health Care Services  
Hazardous Materials Division  
80 Swan Way, Room 200  
Oakland, CA 94621

SUBJECT: Senna Automotive

Dear Mr. Chan:

Enclosed are copies of soil off-haul and fill soil receipts as requested.

Terry carter of Aqua Terra Technologies is working on a site evaluation plan and will contact you regarding this matter.

Sincerely,



Raymond E. Walker

REW/tc

ENCLOSURES (14)

91 JUN 25 PM 12:12



ERICKSON

FROM:

OSCAR E. ERICKSON, INC.  
 255 PARR BOULEVARD  
 RICHMOND, CA 94801  
 (415) 235-1393

TO:

1926

WALKERS HYDRAULICS  
 250 KEATS CIRCLE  
 PLEASANT HILL, CA 94523

SITE: SENNA AUTOMOTIVE 2301 E. 12TH ST OAKLAND

PLEASE REMIT TO:

255 PARR BOULEVARD  
 RICHMOND, CA 94801

INVOICE NO.	74574-0-00
INVOICE DATE	05/10/91
P.O. CONTRACT NO.	-
RELEASE NO.	-
TERMS	NET 30 DAYS

SALESPERSON	JOB END DATE	JOB DESCRIPTION	TRANSPORT FUEL CONTAMINATED SOIL TO GIBSON OIL FOR DISPOSAL.					
CJ	04/03/91							
DESCRIPTION OF SERVICES			SHIFT	QUANTITY	UNIT	BILL RATE	*	EXTENDED AMOUNT
Disposal & Related Fees GIBSON OIL INU#01664 10.00% HANDLING CHARGE				1.00	EA	3207.75	H	3,207.75 320.78
Disposal & Related Fees Subtotal								3,528.53*
Miscellaneous DILLARD TRUCKING 15.00% HANDLING CHARGE						Invoice 00837	H	2,072.28 310.84
Miscellaneous Subtotal								2,383.12*

NOTE: DELINQUENT ACCOUNTS ARE SUBJECT TO A CHARGE OF 1.5% PER MONTH (ANNUAL 18%)

5,911.65				5,911.65
NON-TAXABLE SUB-TOTAL	TAXABLE SUB-TOTAL	TAX RATE	SALES TAX	<b>TOTAL INVOICE</b>

\* H - SUBJECT TO HANDLING CHARGE  
 T - SUBJECT TO SALES TAX

DILLARD f.  
P.O. BOX

BYRON CA 94514  
(415) 634

ON, INC.  
RR BLVD.  
OND CA 94801

PAGE: 01

RECEIVED  
APR 16 1991  
Ans'd.....

DATE: 04/15/91

INVOICE NO: 00837

ACCOUNT NO: 00012

JOB#: 0012/56  
FROM: SENNA AUTO PARTS  
TO: GIBSON OIL & REFINER  
COMDTY: BS-BULK SOIL

4-22 Ck74574

DATE	FACANT	BILL	WEIGHT	TAG	TRK	MANIFEST #	DESCRIPTION	UNITS	RATE	AMOUNT
04/03/91	16339	-00	165354			NON HAZ 1058		23.505 Tns	42.0000	987.21
04/03/91	17228	-00	165364			NON HAZ 1436		25.835 Tns	42.0000	1,085.07
	SUBTOTL		TRANSPORT					49.340 Tns		2,072.28
	SUBTOTL							2.000 Lds		2,072.28

\*\*\*\* TAKE DISCOUNT OF \$103.61 IF PAID IN 30 DAYS \*\*\*\*

PLEASE PAY THIS AMOUNT 2,072.28

WEIGHED AT

BEACON TRUCK STOP  
3225 PENDERGAST  
BAKERSFIELD, CA

BEACON TRUCK STOP  
2300 INLAND EMP  
ONTARIO, CA

6536

DRIVER'S COPY

DATE 4/13/91	BY Kathleen Kama	WEIGHMASTER Kathleen Kama	DEPUTY	WEIGHT (GROSS)	82520 LB
DATE 4/13/91	BY Kathleen Kama	WEIGHMASTER Kathleen Kama	DEPUTY	TARE	30850 LB
UNITS LC <input type="checkbox"/> DC <input type="checkbox"/>	COMMODITY SOL	MARKS		NET	51670
CARRIER Willard (Herman)	REMARKS				
FROM (SELLER) Walter					
TO (BUYER/BROKER) Lipson					
VEHICLE LICENSE NO. 3X40313	TRAILER LICENSE NO. CT74336	TRAILER LICENSE NO.			
EQUIPMENT NO. 353	EQUIPMENT NO. 13A	EQUIPMENT NO.	DRIVER <i>[Signature]</i>		

4/88 25-3823



**GIBSON OIL & REFINING CO., INC.**

3300 TRUXTUN AVENUE, SUITE 200

BAKERSFIELD, CA. 93301

(805) 327-0413

*WALKER Hydraulics*

ORIGIN: 91 APR 3 P 6:49

DESTINATION: GIBSON OIL REFINERY  
COMMERCIAL DRIVE  
BAKERSFIELD, CA. 93308

WEIGHT TAG NUMBER

*165364*

DATE

*4-3-91*

91 APR 3

MANIFEST

*20 NON HAZ #1436*

INVOICE TO:

PRICE:

CARRIER #	CARRIER	RELEASE #	COMMODITY	QUANTITY	TEMP.	GRAV.	-NET GALLONS / BBLs-		
<i>353</i>	<i>ERICKSON</i>	<i>803281-2</i>	<i>SOIL</i>				<i>25.84 TONS</i>		
ARRIVED TO UNLOAD		START TO UNLOAD		FINISH UNLOADING			SOLIDS %	<i>100</i>	
AM PM		AM PM		AM PM			WASHOUT GALLONS		
LOADED FROM				UNLOADED TO				DEDUCT B S & W %	
<i>TRUCK</i>				<i>[Signature]</i>				NET BARRELS	
LOADER'S SIGNATURE				DRIVER'S SIGNATURE				RECEIPT TICKET	
<i>[Signature]</i>				<i>[Signature]</i>				52305	
REMARKS									



**GIBSON OIL & REFINING CO., INC.**

3300 TRUXTUN AVENUE, SUITE 200  
BAKERSFIELD, CA. 93301  
(805) 327-0413

ORIGIN:

*WALKER Hydraulics*  
91 APR 3 P 3:05

91 APR 3

WEIGHT TAG NUMBER

*165354*

DATE

*4-3-91*

MANIFEST #

*3 NON HAR #1058*

INVOICE TO:

PRICE:

DESTINATION: GIBSON OIL REFINERY  
COMMERCIAL DRIVE  
BAKERSFIELD, CA. 93308

CARRIER #	CARRIER	RELEASE #	COMMODITY	QUANTITY	TEMP.	GRAV.	NET GALLONS /BBLs
<i>83</i>	<i>ERICKSON</i>	<i>503281-2</i>	<i>SOIL</i>				<i>23.51 TONS</i>
ARRIVED TO UNLOAD		START TO UNLOAD		FINISH UNLOADING			SOLIDS %
AM PM		AM PM		AM PM			<i>100%</i>
LOADED FROM			UNLOADED TO				WASHOUT GALLONS
<i>Truck</i>			<i>TTU</i>				DEDUCT B S & W %
LOADER'S SIGNATURE			DRIVER'S SIGNATURE				NET BARRELS
<i>Benny Lefone</i>			<i>[Signature]</i>				RECEIPT TICKET
REMARKS							<b>52298</b>

# NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME WALKER HYDRAULICS EPA ID NO. CA1000546010  
 ADDRESS 250 KEATS CIRCLE  
 CITY, STATE, ZIP PLEASANT HILL, CA 94523 PHONE NO. 415-935-5579

CONTAINERS: No 206032 VOLUME 18y WEIGHT \_\_\_\_\_

TYPE:  TANK TRUCK  DUMP TRUCK  DRUMS  CARTONS  OTHER \_\_\_\_\_

WASTE DESCRIPTION HYDROCARBON CONTAMINATED SOIL GENERATING PROCESS SOIL EXCAVATION  
 COMPONENTS OF WASTE PPM COMPONENTS OF WASTE PPM

1	<u>DIESEL</u>	<u>1-2%</u>	5	_____	_____
2	<u>GOL</u>	<u>1-2%</u>	6	_____	_____
3	<u>SOIL</u>	<u>96-98%</u>	7	_____	_____
4	_____	_____	8	_____	_____

PROPERTIES: pH \_\_\_\_\_  SOLID  LIQUID  SLUDGE  SLURRY  OTHER \_\_\_\_\_

HANDLING INSTRUCTIONS: PROFILE # 5-03281-2

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

SIGNING FOR WALKERS HYDRAULICS  
PAT CASHMAN *Pat Cashman* 4/3/91  
 TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME DILLARD TRUCKING EPA ID NO. CA109181618281019  
 ADDRESS ROUTE 1 BOX 73 SERVICE ORDER NO. \_\_\_\_\_  
 CITY, STATE, ZIP BYRON, CALIF, 94514 PICK UP DATE 4-3-91  
 PHONE NO. 415-634-6857  
 TRUCK UNIT, I.D. NO. 838160 TED BROESKY *Ted Broesky* 4-3-91  
 TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME GARSON OIL COMPANY EPA ID NO. CA109181618281019  
 ADDRESS END OF COMMERCIAL DRIVE DISPOSAL METHOD  LANDFILL  OTHER \_\_\_\_\_  
 CITY, STATE, ZIP BAKERSFIELD, CALIF, 93308  
 PHONE NO. (805) 327-0413  
Benny *Benny* 4-3-91  
 TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	
C/O		RT/CD	HWDF	NONE

DISCREPANCY

23.5 TONS

# NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME WALKER HYDRAULICS

ADDRESS 250 KEATS CIRCLE EPA I.D. NO. CA1C101010151610100

CITY, STATE, ZIP PLEASANT HILL CA 94523 PHONE NO. 415 935-5518

CONTAINERS: No. 2023 VOLUME 18y WEIGHT \_\_\_\_\_

TYPE:  TANK TRUCK  DUMP TRUCK  DRUMS  CARTONS  OTHER \_\_\_\_\_

WASTE DESCRIPTION HYDROCARBON CONTAMINATED GENERATING PROCESS SOIL EXCAVATION

COMPONENTS OF WASTE	PPM	COMPONENTS OF WASTE	PPM
1 <u>DIESEL</u>	<u>1-2%</u>	5 _____	_____
2 <u>GAS</u>	<u>1-2%</u>	6 _____	_____
3 <u>SOIL</u>	<u>96-98%</u>	7 _____	_____
4 _____	_____	8 _____	_____

PROPERTIES: pH \_\_\_\_\_  SOLID  LIQUID  SLUDGE  SLURRY  OTHER \_\_\_\_\_

HANDLING INSTRUCTIONS: PROJECT # 5-03281-2

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

SIGNING FOR WALKERS HYDRAULICS  
PAT CASHMAN  
TYPED OR PRINTED FULL NAME & SIGNATURE Pat Cashman DATE 4/3/91

TRANSPORTER

NAME DILLARD TRUCKING EPA I.D. NO. CA009191619218019

ADDRESS ROUTE 1 BOX 73 SERVICE ORDER NO. \_\_\_\_\_

CITY, STATE, ZIP BYRON - CALIF, 94514 PICK UP DATE 4-3-91

PHONE NO. 415 634-6857 John Herman

TRUCK UNIT, I.D. NO. 353 TYPED OR PRINTED FULL NAME & SIGNATURE \_\_\_\_\_ DATE 4-3-91

TSD FACILITY

NAME GIBSON OIL COMPANY EPA I.D. NO. CA09101081011717

ADDRESS END OF COMMERCIAL DRIVE DISPOSAL METHOD  LANDFILL  OTHER \_\_\_\_\_

CITY, STATE, ZIP BAKERSFIELD - CALIF, 93308

PHONE NO. (805) 327-0413 Benny [Signature]

TYPED OR PRINTED FULL NAME & SIGNATURE \_\_\_\_\_ DATE 04-3-91

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	
C/O		RT/CD	HWDF NONE	

DISCREPANCY



THIS COPY TO FRESNO BY MISTAKE.  
Jsh

INVOICE 01664

Date 04/09/91

Gibson Oil and Refining Co., Inc.  
3300 TRUXTON AVE., SUITE 200  
BAKERSFIELD, CA 93301

Phone (805)327-0413  
Fax 8058610229

To: ERICKSON  
351 W. CROMWELL  
FRESNO, CA 93711  
>

Due Date: 05/09/91  
Contract: 73088  
Cust Ref:

Att'n: release#S03041-3  
Terms: Net 30 Days from Date of Invoice  
TRUCKER:

DATE	LOCATION DESCRIPTION	TICKET QUANTITY	RATE	PER	AMOUNT
04/02/91	ROAD MIX	52269			
	SOLIDS RECYCLING	23.390 TON	65.00	TON	1,520.35
04/03/91	ROAD MIX	52298			
	SOLIDS RECYCLING	23.510 TON	65.00	TON	1,528.15
04/03/91	ROAD MIX	52305			
	SOLIDS RECYCLING	25.840 TON	65.00	TON	1,679.60

OK 73903

[ RECEIVED APR 19 1991

RECEIVED  
ACCTS. PAYABLE APR 25 1991

PLEASE REMIT TO:  
GIBSON OIL & REFINING CO., INC.  
P. O. BOX 712489  
LOS ANGELES, CA 90071-7489

Supporting Documents Enclosed.

Customer copy	TOTAL	
0.00 (BBL)	INVOICE	\$4,728.10



# Tidewater SAND & GRAVEL, INC.

4501 TIDEWATER AVENUE • OAKLAND, CALIFORNIA 94601 • TELEPHONE 261-8532

**WEIGHMASTER'S CERTIFICATE OF WEIGHT AND MEASURE**  
THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

DATE 01/11/90	CUSTOMER NO. 115	TICKET NO. 303792	LOAD NO. 1
DELIVERY ADDRESS WALKERS HYDRAULICS SENNA AUTO E 12TH ST & 23RD AVE OAKLAND		CUSTOMER NAME CASH SALES 201 P.O. NUMBER WALKERS HYD	
MATERIAL BACKFILL SAND	PRODUCT NO. 0001	TONS TODAY 13.00	
TRUCK NO. 00001020	STAND-BY TIME PRICE $  \begin{array}{r}  161.85 \\  11.33 \\  \hline  173.18  \end{array}  $	GROSS TONS 23.50	WEIGHED AT LOCATION: 001 OAK = 001 4501 Tidewater Ave., Oakland, CA SFO = 002 3301 Third St., San Francisco, CA MTZ = 003 200 Waterfront Rd., MTZ, CA BFI = 004 Alameda, CA
		TARE TONS 10.50	
		NET TONS 13.00	
DRIVER ON <input checked="" type="checkbox"/>	TIME OUT 8:13:19 A	TIDEWATER SAND & GRAVEL	
RECEIVED BY: <i>[Signature]</i>		PRIVATE WEIGHMASTER <i>[Signature]</i>	
		DEPUTY	
WE WILL NOT BE RESPONSIBLE FOR DAMAGE DUE TO CROSSING SIDEWALKS P.O. CK# 0705			



# Tidewater SAND & GRAVEL, INC.

4501 TIDEWATER AVENUE • OAKLAND, CALIFORNIA 94601 • TELEPHONE 261-8532

**WEIGHMASTER'S CERTIFICATE OF WEIGHT AND MEASURE**  
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DATE 01/11/91	CUSTOMER NO. 115	TICKET NO. 303895	LOAD NO. 2
DELIVERY ADDRESS WALKERS HYDRAULICS SENNA AUTO E 12TH ST & 23RD AVE OAKLAND <i>CK#706</i>		CUSTOMER NAME CASH SALES 201 P.O. NUMBER WALKERS HYD <i>#282 55-</i>	
MATERIAL BACKFILL SAND	PRODUCT NO. 0001	TONS TODAY 38.15	
TRUCK NO. 00000083	STAND-BY TIME	GROSS TONS 40.00	TARE TONS 14.85
PRICE <i>25.15 @ 10<sup>50</sup></i>	<i>264.07</i>	NET TONS 25.15	
<i>Subst ok</i>	<i>15.48</i>	WEIGHED AT LOCATION: 001	
	<i>\$38 2.55</i>	OAK = 001 4501 Tidewater Ave., Oakland, CA	
		SFO = 002 3301 Third St., San Francisco, CA	
		MTZ = 003 200 Waterfront Rd., MTZ, CA	
		BFI = 004 Alameda, CA	
DRIVER ON <input checked="" type="checkbox"/>	TIME OUT 1:46:5 P	TIDEWATER SAND & GRAVEL	
<i>Pat Cashman</i>		PRIVATE WEIGHMASTER	
RECEIVED BY		<i>[Signature]</i>	
		DEPUTY	

WE WILL NOT BE RESPONSIBLE FOR  
DAMAGE DUE TO CROSSING SIDEWALKS



# Tidewater SAND & GRAVEL, INC.

4501 TIDEWATER AVENUE • OAKLAND, CALIFORNIA 94601 • TELEPHONE 281-8532

506.22  
COT

**WEIGHMASTER'S CERTIFICATE OF WEIGHT AND MEASURE**  
THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

DATE 01/17/91	CUSTOMER NO. 115	TICKET NO. 304398	LOAD NO. 1
DELIVERY ADDRESS WALKERS HYDRAULICS SENNA AUTO E 12TH ST & 23RD AVE OAKLAND		CUSTOMER NAME CASH SALES 201 P.O. NUMBER WALKERS HYD	
MATERIAL BACKFILL SAND	PRODUCT NO. 0001	TONS TODAY 23.72	
TRUCK NO. 00000020	STAND-BY TIME	PRICE	GROSS TONS 39.14 TARE TONS 15.42 NET TONS 23.72
		WEIGHED AT LOCATION: 001 OAK = 001 4501 Tidewater Ave., Oakland, CA SFO = 002 3301 Third St., San Francisco, CA MTZ = 003 200 Waterfront Rd., MTZ, CA BFL = 004 Alameda, CA	
DRIVER ON <input checked="" type="checkbox"/>	TIME OUT 9:10:21 A	PRIVATE WEIGHMASTER	
RECEIVED BY <i>Pat Cashman</i>		DEPUTY <i>[Signature]</i>	
WE WILL NOT BE RESPONSIBLE FOR DAMAGE DUE TO CROSSING SIDEWALKS.			
P.D. CK # 0718			



# Tidewater SAND & GRAVEL, INC.

4501 TIDEWATER AVENUE • OAKLAND, CALIFORNIA 94601 • TELEPHONE 261-8532

**WEIGHMASTER'S CERTIFICATE OF WEIGHT AND MEASURE**  
THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

506.22

DATE 01/17/91	CUSTOMER NO. 115	TICKET NO. 304403	LOAD NO. 2
DELIVERY ADDRESS WALKERS HYDRAULICS SENNA AUTO E 12TH ST & 23RD AVE OAKLAND		CUSTOMER NAME CASH SALES 201 P.O. NUMBER WALKERS HYD	
MATERIAL BACKFILL SAND	PRODUCT NO. 0001	TONS TODAY 38.00 506.22	
TRUCK NO. 00001020	STAND-BY TIME	GROSS TONS 24.78	TARE TONS 10.50
PRICE		NET TONS 14.28	
		WEIGHED AT LOCATION: 001 OAK = 001 4501 Tidewater Ave., Oakland, CA SFO = 002 3301 Third St., San Francisco, CA MTZ = 003 200 Waterfront Rd., MTZ, CA BFY = 004 Alameda, CA	
DRIVER ON <i>[Signature]</i>	<input checked="" type="checkbox"/> TIME OUT 9:36:16 A	TIDEWATER SAND & GRAVEL	
RECEIVED BY <i>[Signature]</i>		PRIVATE WEIGHMASTER <i>[Signature]</i>	
		DEPUTY	

WE WILL NOT BE RESPONSIBLE FOR  
DAMAGE DUE TO CROSSING SIDEWALKS



# Tidewater SAND & GRAVEL, INC.

4501 TIDEWATER AVENUE • OAKLAND, CALIFORNIA 94601 • TELEPHONE 261-8532

**WEIGHMASTER'S CERTIFICATE OF WEIGHT AND MEASURE**  
THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

DATE 03/07/91	CUSTOMER NO. 115	TICKET NO. 309704	LOAD NO. 1
DELIVERY ADDRESS WALKERS HYDRAULICS 23RD AVE & E. 12TH OAKLAND		CUSTOMER NAME CASH SALES 202 P.O. NUMBER WALKERS HYDRCLS	
MATERIAL A. I. COARSE SAN		PRODUCT NO. 0202	TONS TODAY 24.27
TRUCK NO. 00000055	STAND-BY TIME PRICE		GROSS TONS 39.27 TARE TONS 15.00 NET TONS 24.27
CK# 77A 266.97 10.69 285.66		WEIGHED AT LOCATION: 001 OAK = 001 4501 Tidewater Ave., Oakland, CA SFO = 002 3301 Third St., San Francisco, CA MTZ = 003 200 Waterfront Rd., MTZ, CA BFI = 004 Alameda, CA	
DRIVER ON <input checked="" type="checkbox"/>	TIME OUT 8: 9: 8 A		TIDEWATER SAND & GRAVEL
RECEIVED BY <i>[Signature]</i>		PRIVATE WEIGHMASTER <i>[Signature]</i> DEPUTY	

WE WILL NOT BE RESPONSIBLE FOR  
DAMAGE DUE TO CROSSING SIDEWALKS



# Tidewater SAND & GRAVEL, INC.

4501 TIDEWATER AVENUE • OAKLAND, CALIFORNIA 94601 • TELEPHONE 261-8532

**WEIGHMASTER'S CERTIFICATE OF WEIGHT AND MEASURE**  
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DATE 03/07/91	CUSTOMER NO. 115	TICKET NO. 308756	LOAD NO. 2
DELIVERY ADDRESS WALKERS HYDRAULICS 23RD AVE & E. 12TH OAKLAND		CUSTOMER NAME CASH SALES 202 P.O. NUMBER WALKERS HYDRILCS	
MATERIAL A.I. COARSE SAN	PRODUCT NO. 0002	TONS TODAY 30.00	
TRUCK NO. 00001074	STAND-BY TIME	PRICE	GROSS TONS 16.19 TARE TONS 10.46 NET TONS 5.73
DRIVER ON <input checked="" type="checkbox"/> TIME OUT 10:39:17 A			WEIGHED AT LOCATION: 001 OAK = 001 4501 Tidewater Ave., Oakland, CA SFO = 002 3301 Third St., San Francisco, CA MTZ = 003 200 Waterfront Rd., MTZ, CA BFI = 004 Alameda, CA
RECEIVED BY <i>[Signature]</i>		TIDEWATER SAND & GRAVEL PRIVATE WEIGHMASTER <i>[Signature]</i> DEPUTY	

WE WILL NOT BE RESPONSIBLE FOR  
DAMAGE DUE TO CROSSING SIDEWALKS

8/9/99 Mtzwl R Glenn

**DRAFT**

- o No ~~up~~ gradient source
- May need to look further down gradient w/ wells & or borings
- Considering overex in area ~ MW 2
- Will <sup>look @</sup> Oakland RBEA
- will advance borings on east side of E 12th to morrow

**TABLE 1**  
**DETECTED VOC AND TPH COMPOUNDS IN GROUNDWATER**  
**FROM MONITORING WELLS AND SOIL BORINGS, 1999**  
**2301 EAST 12TH STREET**

Analyte	Monitoring Well Locations						Soil Boring Locations				
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	SB-1	SB-2	SB-3	SB-4	SB-5
<b>VOC (µg/L)</b>											
1,2,4-Trimethylbenzene	ND	200	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	120	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1,300	1,100	73	ND	73	280	ND	ND	ND	ND	4.1
Chlorobenzene	ND	5.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	93	540	29	0.8	13	66	ND	6.3	ND	ND	6.7
Isopropylbenzene	ND	50	41	18	55	17	ND	6.5	ND	7	9.3
Naphthalene	ND	570	3.4	ND	42	ND	ND	ND	ND	ND	ND
Propylbenzene	ND	86	45	18	80	15	ND	7.3	ND	5.6	11
Toluene	30	100	7	ND	5	4.4	ND	ND	ND	ND	ND
Trichloroethene	20	ND	6.7	ND	ND	75	3	ND	3.5	ND	150
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	72	ND	43	2.6	46	19
m,p-Xylenes	36	370	6.3	ND	13	6.4	ND	ND	ND	ND	ND
o-Xylene	ND	38	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	ND	39	17	11	14	ND	ND	ND	ND	4	2.6
para-Isopropyl Toluene	ND	22	18	7.9	9.9	ND	ND	2.6	ND	ND	2.9
sec-Butylbenzene	ND	ND	12	13	8.3	ND	ND	ND	ND	7.2	2.6
trans-1,2-Dichloroethene	ND	ND	3.3	ND	2.7	21	ND	5.1	ND	26	14
<b>TPH (µg/L)</b>											
Gasoline	4,100	7,200	5,600	3,900	5,200	4,000	ND	710	ND	2,700	1,000
Diesel	4,300	5,800	3,200	2,500	1,500	3,400	380	310	150	1,800	530
Motor Oil	850	750	280	300	290	280	--	--	--	--	--

**Notes:**

Groundwater samples from location SB-1 through SB-5 are preliminary and have not been validated at this time, and may change after validation.

µg/L micrograms per Liter

-- Not Analyzed

ND Not Detected

TPH Total Petroleum Hydrocarbons

VOC Volatile Organic Compound



**DRAFT**

**TABLE 2**  
**VOC AND TPH COMPOUNDS IN GROUNDWATER**  
**MW-1 FROM JULY 1992 TO APRIL 1999**  
**2301 EAST 12TH STREET**

Date	TPH (µg/L)		VOC (µg/L)							
	Diesel	Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	Chloroethane	Tetrachloroethene	Trichloroethene	Cis 1,2 Dichloroethene
07/27/92	360	1,800	600	5.1	13	18	--	--	--	--
11/06/92	670	8,000	2,400	6.1	41	ND	--	--	--	--
03/02/93	1,100	5,600	3,800	ND	120	ND	ND	ND	5.8	ND
05/26/93	1,170	4,800	3,400	44	140	150	ND	ND	6.8	ND
08/27/93	1,200	8,400	2,300	35	180	57	ND	5.4	ND	1.1
12/23/93	ND	7,800	29	16	5.8	26	--	--	--	--
03/27/94	2,600	10,000	2,400	84	310	280	--	--	--	--
06/24/94	1,500	9,000	2,300	44	260	170	--	--	--	--
10/16/94	2,000	10,000	2,100	35	250	140	--	--	--	--
02/13/95	2,500	16,000	3,200	110	460	260	ND	ND	ND	1.3
06/20/95	3,500	18,000	2,600	87	450	220	1.1	ND	6.5	1.1
10/16/95	2,700	13,000	2,200	63	220	110	ND	ND	2.5	0.84
02/15/96	16,000	11,000	1,400	25	130	81	ND	ND	24	0.82
06/18/96	8,000	12,000	2,500	72	190	130	ND	ND	ND	ND
09/17/96	3,100	7,000	1,200	29	86	55	ND	ND	11	ND
01/16/97	11,000	14,000	1,500	47	190	130	ND	ND	13	0.71
05/01/97	4,300	10,000	2,200	56	170	110	ND	ND	2.7	0.81
12/12/97	3,400	9,800	2,000	46	81	94	--	--	--	--
03/24/98	8,600	12,000	2,600	74	280	100	--	--	--	--
07/20/98	6,800	11,000	2,100	57	220	83	ND	ND	3.4	1.4
04/01/99	4,300	4,100	1,300	30	93	36	ND	ND	20	ND

Notes:

- µg/L micrograms per Liter
- Not Analyzed
- ND Not Detected
- TPH Total Petroleum Hydrocarbons
- VOC Volatile Organic Compound

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**TABLE 3**  
**VOC AND TPH COMPOUNDS IN GROUNDWATER**  
**MW-2 FROM JULY 1992 TO APRIL 1999**  
**2301 EAST 12TH STREET**

Date	TPH (µg/L)		VOC (µg/L)								
	Diesel	Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	Chlorobenzene	Chloroethane	Trichloroethene	Vinyl Chloride	cis-1,2-Dichloroethene
07/27/92	1,500	20,000	110	6	37	39	--	--	--	--	--
11/06/92	17,000	19,000	2,800	120	790	1100	--	--	--	--	--
03/02/93	37,000	14,000	3,800	110	950	1100	ND	ND	ND	ND	ND
05/26/93	6,000	11,000	5,200	140	1,000	990	9.8	ND	ND	ND	2.7
08/27/93	54,000	16,000	1,700	120	640	710	10	1.3	ND	2.2	3.2
12/23/93	720	18,000	87	79	42	400	4.3	ND	ND	1.5	1
03/27/94	6,100	17,000	2,100	100	630	750	ND	ND	ND	ND	ND
06/24/94	3,000	15,000	2,000	72	550	520	6.5	ND	ND	ND	ND
10/16/94	53,000	15,000	1,500	81	410	520	5.7	1.1	ND	1	0.73
02/13/95	49,000	18,000	2,000	120	660	900	12	ND	ND	ND	ND
06/20/95	6,600	30,000	1,300	85	510	520	7.9	1.5	ND	2.1	1
10/16/95	31,000	19,000	1,500	92	400	330	5.1	ND	ND	ND	ND
02/15/96	11,000	25,000	1,700	93	490	440	4.8	ND	ND	ND	ND
06/13/96	5,500	13,000	1,400	75	460	410	5.6	ND	ND	ND	ND
09/17/96	13,000	15,000	1,600	66	480	460	8.2	ND	ND	ND	ND
01/16/97	30,000	20,000	1,800	150	670	780	ND	ND	12	ND	0.69
05/01/97	24,000	11,000	1,300	96	400	410	5.2	ND	ND	ND	ND
12/12/97	24,000	14,000	1,200	76	460	420	--	--	--	--	--
03/24/98	9,500	11,000	1,200	74	430	350	--	--	--	--	--
07/20/98	490,000	38,000	890	160	490	850	1.9	1.4	ND	0.76	ND
04/01/99	5,800	7,200	1,100	100	540	370	5.2	ND	ND	ND	ND

*(Shen observed)*

**Notes:**

- µg/L micrograms per Liter
- Not Analyzed
- ND Not Detected
- TPH Total Petroleum Hydrocarbons
- VOC Volatile Organic Compound

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**TABLE 4**  
**VOC AND TPH COMPOUNDS IN GROUNDWATER**  
**MW-3 FROM JULY 1992 TO APRIL 1999**  
**2301 EAST 12TH STREET**

Date	TPH (µg/L)		VOC (µg/L)							
	Diesel	Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	Chloroethane	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene
07/27/92	4,000	8,800	150	8.6	88	13	--	--	--	--
11/06/92	21,000	10,000	78	3.1	830	13	--	--	--	--
03/02/93	9,300	3,900	120	nd	240	37	ND	ND	ND	ND
05/26/93	4,400	7,400	570	4.1	640	8.4	--	--	--	--
08/27/93	8,200	7,100	180	15	110	9.4	ND	16	ND	ND
12/23/93	230	7,900	30	14	12	62	--	--	--	--
03/27/94	4,300	5,700	180	10	100	24	ND	6	ND	ND
06/24/94	1,500	8,400	230	13	93	7.6	ND	ND	6	1.5
10/16/94	2,700	6,300	140	8.7	68	25	ND	12	8.4	2.1
02/13/95	1,600	7,500	220	17	110	22	ND	5.1	4.3	1.3
06/20/95	13,000	11,000	310	23	160	63	0.5	5.7	4.9	1.7
10/16/95	1,900	4,700	120	6.7	32	16	ND	7.8	7.1	2
02/15/96	9,400	8,100	62	13	50	33	ND	9.3	7.3	2.6
06/18/96	5,000	30,000	110	65	130	160	ND	ND	6.9	2.5
09/17/96	15,000	10,000	68	20	61	42	ND	13	11	ND
01/16/97	57,000	9,700	64	19	38	60	ND	3.9	4.9	2
05/01/97	30,000	7,300	67	13	51	20	ND	ND	4.9	2.4
12/12/97	16,000	10,000	63	22	68	48	--	--	--	--
03/24/98	10,000	7,900	ND	1.5	53	21	--	--	--	--
07/20/98	17,000	6,200	87	13	44	25	ND	ND	1.1	0.81
04/01/99	3,200	5,600	73	7	29	6.3	ND	6.7	ND	3.3

**Notes:**

- µg/L micrograms per Liter
- Not Analyzed
- ND Not Detected
- TPH Total Petroleum Hydrocarbons
- VOC Volatile Organic Compound

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TABLE 5  
 VOC AND TPH COMPOUNDS IN GROUNDWATER  
 MW-4 FROM JULY 1992 TO APRIL 1999  
 2301 EAST 12TH STREET

Date	TPH ( $\mu\text{g/L}$ )		VOC (mg/L)						
	Diesel	Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene
03/27/94	1,800	2,200	19	1.2	2.9	12	--	---	--
06/24/94	420	2,300	2.9	1.6	2.8	4.6	--	--	--
10/16/94	900	3,500	3.8	2	5.2	24	0.67	0.71	ND
02/13/95	630	2,600	100	100	3.8	7.1	ND	ND	ND
06/20/95	1,100	3,000	31	3.4	6.1	12	ND	2.2	1
10/16/95	1,100	2,000	43	2.3	8.4	6.9	ND	1.3	ND
02/15/96	940	3,400	ND	ND	ND	ND	ND	1.8	0.79
06/13/96	1,100	1,900	12	5.7	3.4	9.6	ND	ND	ND
09/17/96	2,500	3,100	ND	15	78	12	ND	ND	ND
01/16/97	13,000	4,000	ND	7	3	15	ND	0.76	ND
05/01/97	6,200	2,900	ND	5.1	3.4	5.7	ND	ND	ND
12/12/97	650	1,800	41	13	14	20	--	--	--
03/24/98	1,300	3,100	ND	5	3.7	6.2	--	--	--
07/20/98	1,000	950	2.2	1.5	2	2.1	ND	ND	ND
04/01/99	2,500	3,900	ND	ND	0.8	ND	ND	ND	ND

Notes:

- $\mu\text{g/L}$  micrograms per Liter
- Not Analyzed
- ND Not Detected
- TPH Total Petroleum Hydrocarbons
- VOC Volatile Organic Compound

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**TABLE 6**  
**VOC AND TPH COMPOUNDS IN GROUNDWATER**  
**MW-5 FROM JULY 1992 TO APRIL 1999**  
**2301 EAST 12TH STREET**

Date	TPH ( $\mu\text{g/L}$ )		VOC ( $\mu\text{g/L}$ )								
	Diesel	Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	Chlorobenzene	Trichloroethene	Vinyl Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene
03/27/94	870	2,900	71	ND	27	15	--	--	--	--	--
06/24/94	950	6,100	220	12	38	24	0.53	ND	7.5	11	3.1
10/16/94	1,100	4,300	120	5.1	27	13	0.66	ND	9.6	16	4.2
02/13/95	1,200	4,600	130	7.9	38	29	ND	ND	8.4	20	5.1
06/20/95	1,000	6,000	140	6.7	27	29	0.95	ND	10	12	4.1
10/16/95	940	2,000	43	2.3	8.4	6.9	0.54	2	7.6	9.8	2.9
02/15/96	2,200	4,400	61	5.3	34	ND	0.57	ND	5.3	7.7	ND
06/18/96	--	7,400	94	11	32	40	ND	ND	ND	2.9	ND
09/17/96	1,600	5,200	140	7.5	18	21	0.83	ND	7.3	4.5	2.7
01/16/97	2,500	4,500	64	8.7	23	26	0.71	ND	9.1	6.1	3.8
05/01/97	3,400	4,300	120	7.6	21	23	ND	ND	1.1	0.55	ND
12/12/97	2,400	4,000	66	8.7	15	25	--	--	--	--	--
03/24/98	1,200	4,100	48	7.2	14	21	--	--	--	--	--
07/20/98	1,600	3,400	69	6	11	15	0.68	ND	5.3	1.8	2
04/01/99	1,500	5,200	73	5	13	13	ND	ND	ND	ND	2.7

**Notes:**

- $\mu\text{g/L}$  micrograms per Liter
- Not Analyzed
- ND Not Detected
- TPH Total Petroleum Hydrocarbons
- VOC Volatile Organic Compound

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**TABLE 7  
VOC AND TPH COMPOUNDS IN GROUNDWATER  
MW-6 FROM JULY 1992 TO APRIL 1999  
2301 EAST 12TH STREET**

Date	TPH (µg/L)		VOC (µg/L)									
	Diesel	Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-Dichloroethane	Chloroethane	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	trans-1,2-Dichloroethene
03/27/94	1,000	5,000	1,100	17	180	41	--	--	--	--	--	--
06/24/94	660	8,000	1,200	21	210	54	--	--	--	--	--	--
10/16/94	850	6,300	870	14	140	49	--	--	--	--	--	--
02/13/95	1,000	5,500	1,000	17	210	55	ND	ND	99	40	87	13
06/20/95	1,400	9,100	1,300	24	240	79	ND	ND	29	26	130	17
10/16/95	770	3,000	590	8.8	84	24	ND	ND	110	75	54	16
02/15/96	1,500	3,900	460	11	110	23	ND	ND	160	110	46	25
06/13/96	1,300	4,800	630	14	140	37	ND	ND	83	72	33	20
09/17/96	1,300	4,700	550	14	120	38	ND	2.7	59	73	48	26
01/16/97	2,200	5,600	850	17	190	43	1.1	1.1	82	81	29	21
05/01/97	3,500	5,400	450	9.1	38	35	0.92	2	52	50	26	17
12/12/97	1,200	4,900	530	13	130	38	--	--	--	--	--	--
03/24/98	1,200	5,300	630	11	120	25	--	--	--	--	--	--
07/20/98	1,600	2,900	420	7	60	14	ND	2.5	34	54	12	16
04/01/99	3,400	4,000	280	4.4	66	6.4	ND	ND	75	72	ND	21

Notes:

- µg/L micrograms per Liter
- Not Analyzed
- ND Not Detected
- TPH Total Petroleum Hydrocarbons
- VOC Volatile Organic Compound

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**TABLE 8  
DETECTED VOC AND TPH COMPOUNDS IN SOIL  
FROM MONITORING WELLS AND SOIL BORINGS, 1999  
2301 EAST 12TH STREET**

Analyte	Location and Depth				
	SB-1 15.5-16 ft bgs	SB-2 15-15.5 ft bgs	SB-3 18-18.5 ft bgs	SB-4 18-18.5 ft bgs	SB-5 13-13.5 ft bgs
<b>VOC (<math>\mu\text{g}/\text{Kg}</math>)</b>					
Isopropylbenzene	ND	ND	ND	ND	600
Propylbenzene	ND	ND	ND	ND	920
cis-1,2-Dichloroethene	ND	ND	ND	4.2	ND
n-Butylbenzene	ND	ND	ND	ND	510
para-Isopropyl Toluene	ND	ND	ND	ND	360
sec-Butylbenzene	ND	ND	ND	ND	410
<b>TPH (mg/Kg)</b>					
Gasoline	ND	ND	ND	ND	640
Diesel	ND	ND	ND	ND	120

**Notes:**

Soil samples are preliminary and have not been validated at this time, and may change after validation.

bgs below ground surface

ft feet

$\mu\text{g}/\text{Kg}$  micrograms per Kilogram

mg/Kg milligrams per Kilogram

-- Not Analyzed

ND Not Detected

TPH Total Petroleum Hydrocarbons

VOC Volatile Organic Compound