

SCOTT CO.

MECHANICAL CONTRACTORS 1919 Market Street P.O. Box 12954 Oakland, California 94604 (415) 834-2333

Contractors License No. 184480

February 20, 1991

Alameda County Health Department 80 Swan Way, Suite 200 Oakland, California 94621

Attention: Gil Wistar

Gentlemen:

Please find enclosed paperwork pertaining to the tank removals at 59 South 'L' Street, Livermore.

All manifests, permits, analyses and diagrams are included.

The tanks were removed on October 10, 1990. All tanks appeared to be intact. Samples were taken under the supervision of Alameda County Health Department and Livermore Fire Department. Western Environmental Science and Technology obtained the samples and performed subsequent analyses.

All results were under the (1000 p.p.m. limit) except the waste oil tank. This tank had a noticeable stain in and around the fill area. This was caused by continual use and the lack of any type of overspill containment.

The site was over excavated as per conversations with Gil Wistar. The samples were taken by West Labs and analyses done for Halogenated Volatile Organics, which came in as non-detectable. The gasoline site was also over excavated and re-sampled at Gil Wistar's request. It also came back as non-detectable.

Soils were moved to the Railroad Avenue site as per Gil Wistar. These stockpiles had visqueen placed underneath and were covered.

The holds were backfilled and asphalted to match existing conditions as per conversations with Gil Wistar.

81 FEB SS EN 1: SO

Alameda County Health Department February 20, 1991 Page 2

The two remaining oil tanks have been rinsed and a date will be set for drilling and sampling below these tanks as a requirement for abandonment.

Should you have any questions regarding this removal, I can be contacted at 834-2333, extension 3379.

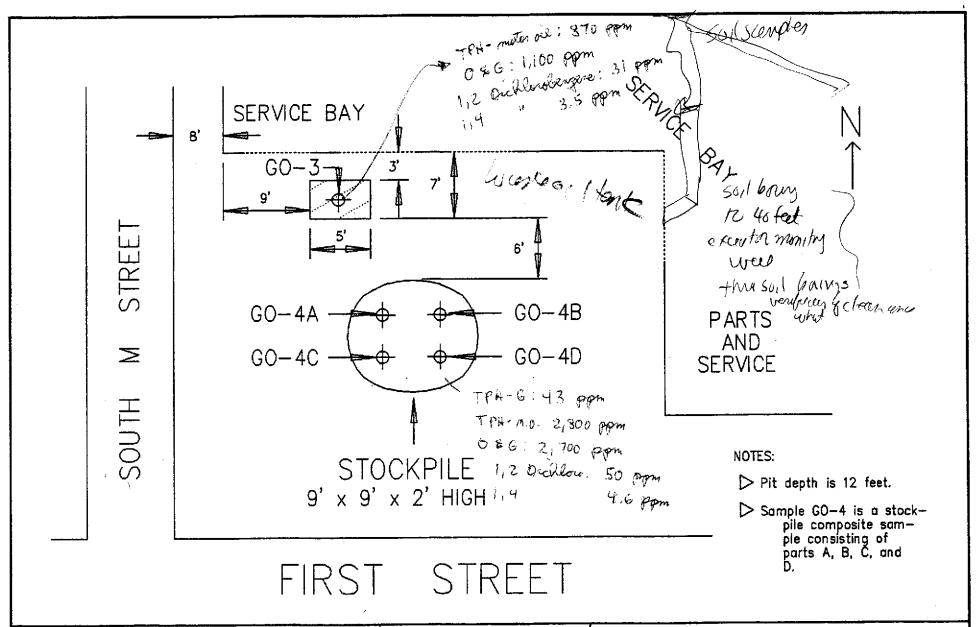
Very truly yours,

SCOTT CO. OF CALIFORNIA

Jay Groh () Environmental Estimator

JG:jj

Enclosure



SLOG#: 1877

DATE: 10/11/1990

PAGE

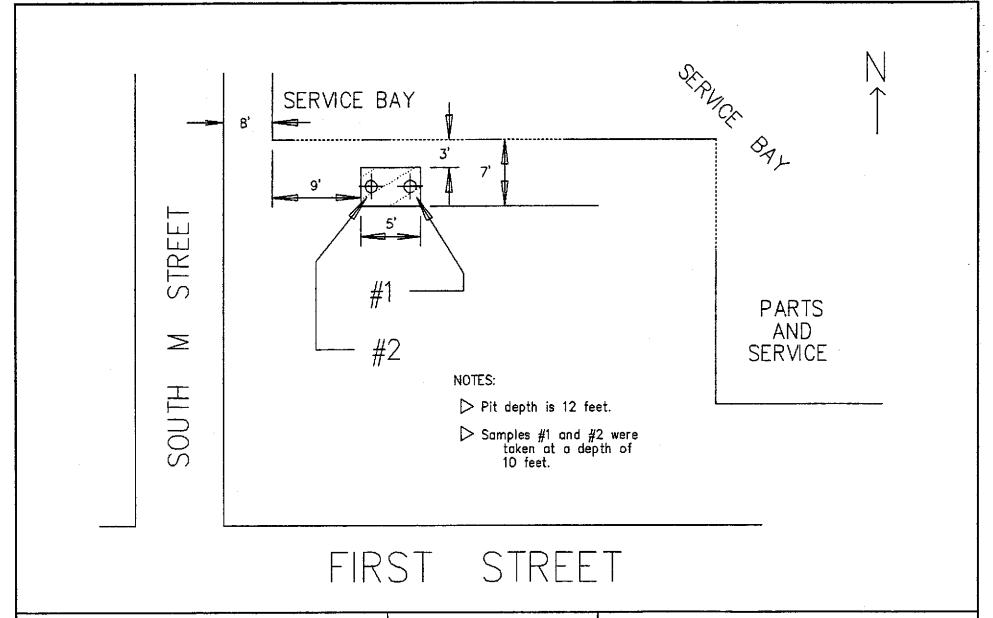


Western Environmental Science & Technology

1046 Olive Drive #3, Davis, CA 95616

Phone: (916) 753-9500

Drawn by: TGT



SLOG#: 1921

DATE: 10/25/1990

PAGE 1

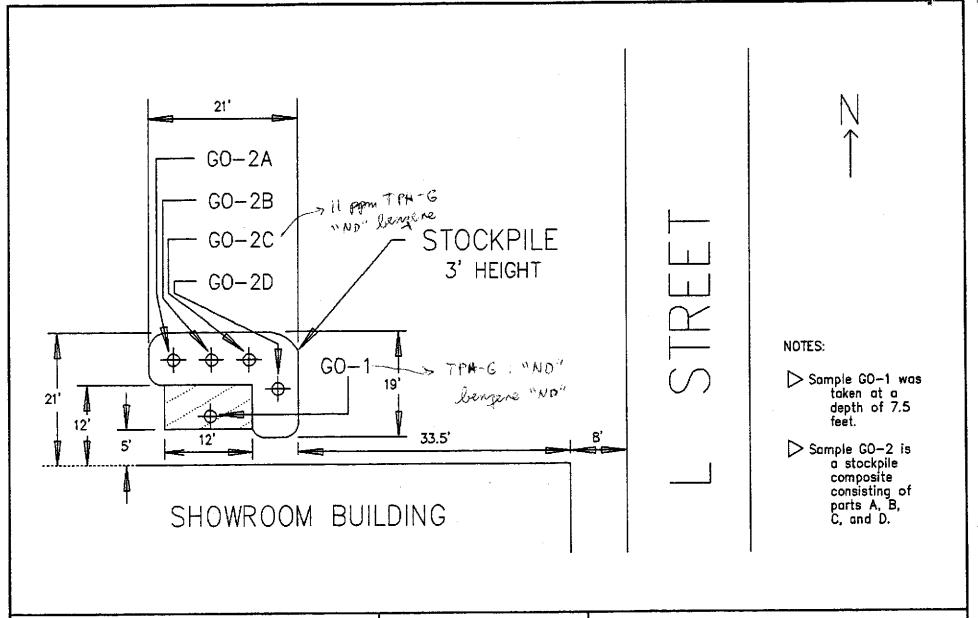


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PAGE 2



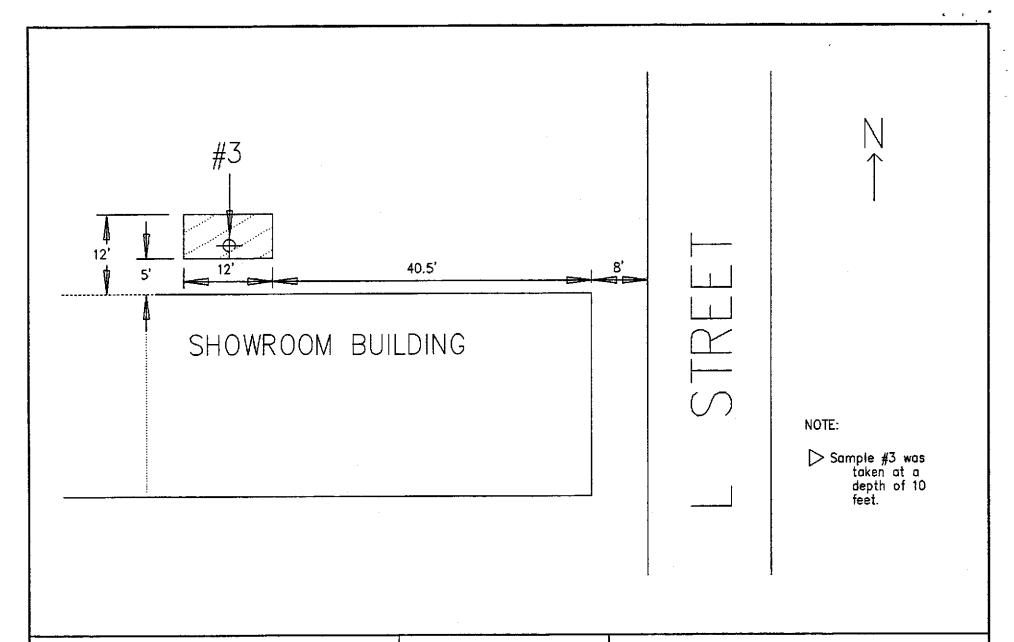
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TGT



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PAGE 2

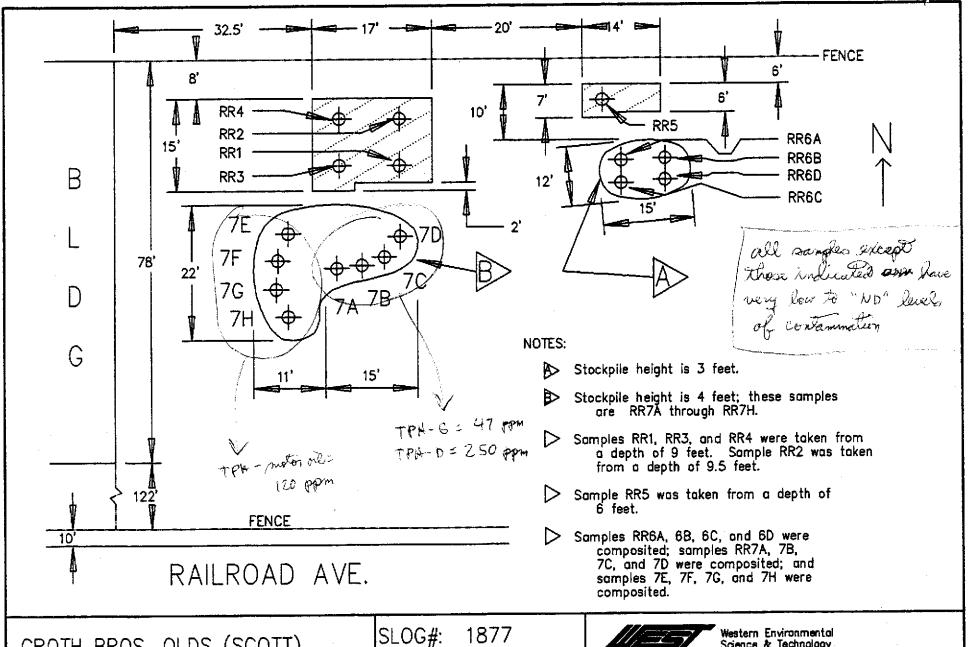


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Drawn by: TGT



GROTH BROS. OLDS (SCOTT) RAILROAD AVE. SITE LIVERMORE, CALIFORNIA

DATE: 10/11/1990

PAGE 3



Western Environmental Science & Technology

1046 Olive Drive #3, Davis, CA 95616

Phone: (916) 753-9500

Drawn by:

TGT



Jay Groh Scott Company 1919 Market Street Oakland, CA 94607

CT 1 2 46

Subject: Analytical Results for 12 Soil Sample(s)

Identified as: Project # 106457-58559-72-7001 (Groth Bros.)

Received: October 11, 1990

Dear Mr. Groh:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on October 15, 1990 and describes procedures used to analyze the samples.

Sample(s) were received in brass sleeves that were sealed with aluminum foil and plastic endcaps. Each sample was transported and received under documented chain of custody and stored at 4 degrees C until analysis was performed.

Sample(s) were analyzed using the following method(s):

"BTEX" (EPA Method 8020/Purge-and-Trap)

"TPH as Gasoline" (Modified EPA Method 8015/Purge-and-Trap)

"TPH as Diesel Motor Oil Jet/Kerosene" (Mod. 8015/Extraction)

"Halogenated Solvents" (EPA Method 8010)

"Oil and Grease" (ASTM Method 5520 C,E,F)

Please refer to the following table(s) for summarized analytical results and contact us if you have questions regarding procedures or results. The chain-of-custody document is enclosed.

Approved by:

Stewart Podolsky

Senior Chemist



Table 1: 'BTEX' Results for 10 Soil Sample(s) Identified as Project # 106457-58559-72-7001 (Groth Bros.)
Received October 11, 1990

Sample	Benz.	Tol.	Eth.Benz.	Xyl.
RR-1	⟨.005	⟨.005	⟨.005	.010
RR-2	<.005	<.005	⟨.005	.023
RR-3	<.005	⟨.005	<.005	⟨.005
RR-4	⟨.005	<.005	<.005	<.005
RR-5	<.005	<.005	.0054	.053
G0-1	⟨.005	.0084	<.005	.044
Composite 1 RR-6A RR-6B RR-6C RR-6D	<.005	(.005	⟨.005	⟨.005
Composite 2 RR-7A RR-7B RR-7C RR-7D	<.005	.12	.063	.58
Composite 3 RR-7E RR-7F RR-7G RR-7H	⟨.005	(-005	⟨.005	⟨.005
(Reporting Limit	.005	.005	.005	.005)



B T E X Continued

Sample	Benz.	Tol.	Eth.Benz.	Xy1.
Composite 4 GO-2A GO-2B GO-2C GO-2D	⟨.005	.081	.060	1.1
(Reporting Limit	.005	.005	.005	.005)



Table 2: TPH Results for 10 Soil Sample(s) Identified as Project # 106457-58559-72-7001 (Groth Bros.) Received October 11, 1990

--all concentrations are units of mg/kg--

Sample	TPH as Gasoline	TPH (Semi-Volatile)
RR-1	⟨.5	
RR-2	2.5	
RR-3	<.5	Diesel : <10 Motor Oil : <10
RR-4	<.5	Diesel : <10 Motor Oil : <10
RR-5	<.5	
G0-1	<.5	
Composite 1 RR-6A RR-6B RR-6C RR-6D	<.5	
Composite 2 RR-7A RR-7B RR-7C RR-7D	47	Diesel : 250 Motor Oil : (30**
Composite 3 RR-7E RR-7F RR-7G RR-7H	⟨.5	Diesel : (10 Motor Oil : 120
(Reporting Lin	nit .5	10)

page 4



TPH as Gasoline & Diesel Continued

--all concentrations are units of mg/kg--

Sample	TPH as Gasoline	TPH (Semi-Volatile)
Composite 4 GO-2A GO-2B GO-2C GO-2D	11	
(Reporting Lim	it .5	10)

** Increased Reporting Limit due to high concentration of Diesel in sample.



Sample: 180-3

From : Project # 106457-58559-72-7001 (Groth Bros.)

Received: October 11, 1990

Matrix : Soil

Parameter / (Repo	orting Limit)	Measured Value
Benzene Toluene Ethylbenzene	(.005) (.005) (.005)	⟨.005 ⟨.005 ⟨.005
Total Xylenes TPH as Gasoline	(.005) (.5)	<.005 <.5
Extractable TPH	(10)	Diesel : <100* Motor Oil : ***70*
Oil and Grease	(50)	troo

 $[\]star$ Increased Reporting Limit due to high concentration of Motor Oil in sample.



From : Project # 106457-58559-72-7001 (Groth Bros.)

Received October 11, 1990

Matrix : Soil

--all concentrations are units of mg/kgm-

8010 - Halogenated Volatile Organics

Parameter /	(Reporting Limit)	Measured Value
Chloromethane	(0.01)	⟨0.01
Chloroethane	(0.01)	(0.01
Vinyl Chloride	(0.01)	⟨0.01
Bromomethane	(0.01)	⟨0.01
Trichlorofluoromethane	(.001)	⟨.001
1,1-Dichloroethene	(.001)	<.001
Dichloromethane	(0.02)	⟨0.02
t-1,2-Dichloroethene	(.001)	₹.001
1,1-Dichloroethane	(.001)	<.001
Chloroform	(.002)	⟨.002
1,1,1-Trichloroethane	(.001)	<.001
1,2-Dichloroethane	(.001)	<.001
Carbon Tetrachloride	(.001)	<.001
1,2-Dichloropropane	(.001)	₹.001
Trichloroethene	(.001)	<.001
Bromodichloromethane	(.001)	₹,001
2-Chloroethylvinyl Ether		(0.01
c-1,3-Dichloropropene	(.001)	<.001
t-1,3-Dichloropropene	(.001)	<.001
1,1,2-Trichloroethane	(.001)	(,001
Tetrachloroethene	(.001)	<.001
Dibromochloromethane	(.001)	<.001
Chlorobenzene	(.001)	<.001
Bromoform	(.001)	₹.001
1,1,2,2-Tetrachloroethan	e (.001)	<.001
1,4-Dichlorobenzene	(.001)	3.5
1,3-Dichlorobenzene	(0.50)	(0.50
1,2-Dichlorobenzene	(.001)	31



Sample: Composite 5

G0-4A

G0~4B

G0-4C G0-4D

From : Project # 106457-58559-72-7001 (Groth Bros.)

Received: October 11, 1990

Matrix : Soil

Parameter / (Rep	orting Limit)	Measured Value
Benzene Toluene Ethylbenzene	(.005) (.005) (.005)	<.005 .010 .0073
Total Xylenes TPH as Gasoline	(.005) (.5)	.088 43
Extractable TPH	(10)	Diesel : <200* Motor Oil : 2800
Oil and Grease	(50)	2700



Sample: Composite 5 GO-4A GO-4B

G0-4C G0-4D

From : Project # 106457-58559-72-7001 (Groth Bros.)

Received October 11, 1990

Matrix : Soil

--all concentrations are units of mg/kg--

8010 - Halogenated Volatile Organics

Parameter /	(Reporting Limit)	Measured Value
		THE NEW PINE WAS THE
Chloromethane	(0.01)	⟨0.01
Chloroethane	(0.01)	(0.01
Vinyl Chloride	(0.01)	(0.01
Bromomethane	(0.01)	⟨0.01
Trichlorofluoromethane	(.001)	<.001
1,1-Dichloroethene	(.001)	<.001
Dichloromethane	(0.02)	₹0.02
t-1,2-Dichloroethene	(.001)	₹,001
1,1-Dichloroethane	(.001)	<.001
Chloroform	(.002)	₹.002
1,1,1-Trichloroethane	(.001)	<.001
1,2-Dichloroethane	(.001)	<.001
Carbon Tetrachloride	(.001)	<.001
1,2-Dichloropropane	(.001)	⟨.001
Trichloroethene	(.001)	<.001
Bromodichloromethane	(,001)	⟨.001
2-Chloroethylvinyl Ether		⟨0.01
c-1,3-Dichloropropene	(.001)	₹.001
t-1,3-Dichloropropene	(.001)	<.001
1,1,2-Trichloroethane	(.001)	<.001
Tetrachloroethene	(.001)	<.001
Dibromochloromethane	(.001)	<.001
Chlorobenzene	(.001)	<.001
Bromoform	(.001)	⟨.001
1,1,2,2-Tetrachloroethan	e (.001)	<.001
1,4-Dichlorobenzene	(_001)	4 _6
1,3-Dichlorobenzene	(0.50)	(0.50
1,2-Dichlorobenzene	(.001)	50



1046 Olive Drive, Suite 3 Davis, CA 95616 916-753-9500 FAX #: 916-753-6091

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Western Environment Science & Technology	a: Y			., O.																																			ļ
Project Manager:	Groh					(1	413	one	83	<u>3</u> 4	-2	233	33		ANALYSIS REQUEST											OTHER				SPECIAL HANDLING									
Jay 1 Address: Scott Co Project Number: 106457	., Oaklau	nd				د	FA 15) & X #:	34	4-	- 9	13	3			1015)					=														()	r (1 wk)	200	MENTS	
Project Number: 106457	-58559-	7	2.	_=	700)	Pro	Gu	na: otu	me:	∕ 95.	. –	ole	ts .		78020/8	2	6		.	ns (418								ş						or (24 t		10, OF	SI E	l
Project Location:	Railroad A Livermo	ص	_				Sa	mole	er Si	igna	ture:					BTEX/TPH as Gasoline (602/8020/8015)	TPH as Diesel (8015 or 8270)	TPH as Jetfuel (8015 or 8270)	(413.1)	(413.2)	Total Petroleum Hydrocarbons (418.1)			Bs Only					EPA - Priority Poliutant Metals	239.2)					RUSH SERVICE (12 hr) or (24 hr)	RVICE	TAIL NOIL	SPECIAL DETECTION LIMITS (SPECIFT) SPECIAL REPORTING REQUIREMENTS	
Sample	Lab #	INERS	mount					P	Me res	etho ser	od ved	s	am	pling	2/8020)	H as Ga	iesel (80	etfuel (80	S Grease	& Grease	oleum H	20108	8080	8080-PC	8240	8270	Metals	8 Metals	ority Poll	7724/02	C LEAD				ERVIC	TED SE	S/FAX	REPOF	
ID	(Lab use) only	# CONTAINERS	Volume/A	WATER	SOIL	AIR	OTHER	HCI	HNO3	J.	NONE		DAIE	TIME	BTEX (602/8020)	BTEX/TPI	TPH as D	TPH as Je	Total Oil & Grease (413.1)	Total Oil & Grease (413.2)	Total Petr	EPA 602/8020	EPA 608/8080	EPA 608/8080-PCBs Only	EPA 624/8240	EPA 625/8270	CAM - 17 Metals	EPTOX - 8 Metals	EPA - Pri	CEAU(/420//421/239.2)	ORGANIC LEAD				RUSHS	EXPEDI	VERBALS/FAX	SPECIAL	
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1046 Olive Drive, Suite 3 Davis, CA 95616 916-753-9500 FAX #: 916-753-6091

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Science & Technolog	y																																				-
Project Manager: Jay G							Pho CH	one #	#: ይገ	 34	-2	.333	•				A	NA	λLY	/SI	IS I	RE(ວບ	ES	T						OTI	HEF	₹		PE		NG
Address: Scott (o. Project Number: 106457-S	·- · · · · ·	1	70	001			FA:	x #:	23	54	- 0	7133 Ids			BTEX/TPH as Gasoline (602/8020/8015)))			18 (418.1)								<u> </u>						RUSH SERVICE (12 hr) or (24 hr)	8 hr or (1 wk)	VERBALS/FAX SPECIAL DETECTION LIMITS (SPECIEV)	SPECIAL REPORTING REQUIREMENTS
Project Location:	59 South	L	St	itreet Sampler Signature: , CA Tray L. Trypen						soline (602/	TPH as Diesel (8015 or 8270)	TPH as Jetfuel (8015 or 8270)	(413.1)	(413.2)	Total Petroleum Hydrocarbons (418.1)			o Call	S C S				EPA - Priority Poliutant Metals	239.2)					E (12 hr) o	RVICE	MILION	TING REC					
Sample	Lab #	INERS	mount		Ma	atrix		P	res	tho serv		Sam	pling)2/8020)	H as Gas	iesel (80	etfuel (80	& Grease	Total Oil & Grease (413.2)	roleum H	/8010	8020	EFA eve/eved	/8240	/8270	7 Metals	EPTOX - 8 Metals	iority Poli	LEAD(7420/7421/239.2)	C LEAD				SERVICI	TED SE	DETEC	REPOF
ID.	(Lab use) only	# CONTAINERS	Volume/Amount	WATER	SOIL	AIR	OTHER	HCI	SON	ICE	OTHER PER	DATE	TIME	BTEX (602/8020)	втехлр	TPH as C	TPH as J	Total Oil & Grease (413.1)	Total Oil	Total Pet	EPA 601	EPA 602/8020	EFA 609/6060	EPA 624/8240	EPA 625/8270	CAM - 17 Metals	EPTOX.	EPA - Pr	LEAD(74	ORGANIC LEAD				RUSH (EXPED	SPECIAL DETE	SPECIAL
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GO-1 GO-2ABCO GO-3 GO-4ABCO)	4	24		X					X		Ц	1615	1 - 1	X						\perp	1	1	2	m	P	15	17	25			_	_	Ц	X	\perp	ota
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Jay Groh Scott Company 1919 Market Street Oakland, CA 94607

Subject: Analytical Results for 1 Soil Sample(s)

Identified as: Groth Brothers

Received: 10/15/90

Dear Mr. Groh:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on October 18, 1990 and describes procedures used to analyze the samples.

The sample(s) were received in:

Polyethylene Bottle

Each sample was transported and received under documented chain of custody, assigned a consecutive log number and stored at 4 degrees Celsius until analysis commenced.

Sample(s) were analyzed using the following method(s):

"BTEX" (EPA Method 8020/Purge-and-Trap)

"Polychlorinated Biphenyls (PCBs)" (EPA Method 8080/Extraction)

100 N

"Halogenated Solvents" (EPA Method 8010)

Please refer to the following table(s) for summarized analytical results and contact us if you have questions regarding procedures or results. The chain-of-custody document is enclosed.

Approved by:

Senior Chemist



From : Groth Brothers Received : 10/15/90

Matrix : Soil

Parameter / (Rep	orting L	imit)	Measured	Value
•.				
Benzene	(25)	•	₹25	
Toluene	(25)		₹25	
Ethylbenzene	(25)	1	⟨25	
Total Xylenes	(25)	•	⟨25	
PCB 1016			⟨10	
PCB 1221			<10	
PCB 1232			⟨10	
PCB 1242			<10	
PCB 1248			⟨10	
PCB 1254			⟨10	
PCB 1260			⟨10	



Sample: 5858 5/vdex simple

From : Groth Brothers Received 10/15/90 Matrix : Soil

--all concentrations are units of mg/kg--

8010 - Halogenated Volatile Organics

Parameter /	(Reporting Limit)	Measured Value
11 10 10 10 10 10 10 10 10 10 10 10 10 1	الله الله الله الله الله الله الله الله	
Chloromethane	(500)	₹ 500
Chloroethane	(500)	< 500
Vinyl Chloride	(500)	< 500
Bromomethane	(500)	₹ 500
Trichlorofluoromethane	(50)	₹ 50
1,1-Dichloroethene	(50)	₹ 50
Dichloromethane	(500)	₹ 500
t-1,2-Dichloroethene	(50)	₹ 50
1,1-Dichloroethane	(50)	₹ 50
Chloroform	(50)	₹ 50
1,1,1-Trichloroethane	(50)	₹ 50
1,2-Dichloroethane	(50)	₹ 50
Carbon Tetrachloride	(50)	₹ 50
1,2-Dichloropropane	(50)	₹ 50
Trichloroethene	(50)	₹ 50
Bromodichloromethane	(50)	₹ 50
2-Chloroethylvinyl Ether	(500)	₹ 500
c-1,3-Dichloropropene	(50)	₹ 50
t-1,3-Dichloropropene	(50)	₹ 50
1,1,2-Trichloroethane	(50)	< 50
Tetrachloroethene	(50)	< 50
Dibromochloromethane	(50)	(50
Chlorobenzene	(50)	₹ 50
Bromoform	(50)	< 50
1,1,2,2-Tetrachloroethan	e (50)	₹ 50
1,4-Dichlorobenzene	(50)	830
1,3-Dichlorobenzene	(50)	₹ 50
1,2-Dichlorobenzene	(50)	11000

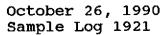
waste oit pcb hydro cardon

CHAIN OF CUSTODY RECORD H & H SHIP SERVICE LABORATORY

(A Division of H & H Ship Service Co., Inc.)
220 China Basin Street
San Francisco, California 94107
Tel. (415)543-0906 - FAX (415)543-8265

Date	10.	-15-	<u>:90</u>	•
Page	}	af	1	

LABORATORY CLIENT*	Eroth Brothe	4/S	CLIENT PROJECT NAME/NUMBER:	6	1919 Market St
ADDRESS:			PROJECT CONTACT:	$\mathcal{C}\mathcal{O}$. \mathcal{I}	1919 Market St Dakland, CA.
CITY:	STATE:	ZIP CODE:			Darciera, CA.
TELEPHONE:	FAX:		SAMPLER(S) SIGNATURE:		
TURN AROUND TIME DESIRED	SAME DAY (100%) Prior confirmation with H&H Labo	24 HOURS (50%)	48 HOURS (25%)	10 DAYS	LAE ID NUMBER:
SHIPMENT METHOD:		AFTER ANALYSES, SAMPLES ARE TO BE:	DISPOSED OF STORED (30 DAYS MAX.)	OTHER	ED TO CLIENT
SPECIAL INSTRUCTIO	hample re	linguished to from Rotan i	ia Scotts Co	(Jumes	Churchill) per
SAMPLE ID	LOCATION DESCRIPTION	SAMPLING HATE	SAMPLE TYPE		TESTS REQUIRED
5858	1 Studge Sampe	10/12/90 10:15			
Relinquished by (Signature): Petty C.	Amba Received by:	ome Chick		Date: Time: 10:45
Relinquished by (S	Signature):	Received by:	Laboratory by/(Signature)	nim	Oate: Time:
The Percet will be	forwarded to this address.		PL,	msm b 88	/ H&H COC (rev. 11/89





Jay Groh Scott Company 1919 Market Street Oakland, CA 94607

Subject: Analytical Results for 3 Soil Sample(s)

Identified as: Groth Brothers

Received: 10/25/90

Dear Mr. Groh:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on October 26, 1990 and describes procedures used to analyze the samples.

:유: 시: :

Sample(s) were received in brass sleeves that were sealed with aluminum foil and plastic endcaps. Each sample was transported and received under documented chain of custody and stored at 4 degrees C until analysis was performed.

Sample(s) were analyzed using the following method(s):

"TPH as Gasoline" (Modified EPA Method 8015/Purge-and-Trap)
"Volatile Aromatics" (EPA Method 8020)

Please refer to the following table(s) for summarized analytical results and contact us if you have questions regarding procedures or results. The chain-of-custody document is enclosed.

Approved by:

Senior Chemist



From : Groth Brothers Received : 10/25/90

Matrix : Soil

Parameter / (Reporti	lng Limit)	Measured Value
Benzene	(.005)	<.005
Toluene	(.005)	<.005
Ethylbenzene	(.005)	<.005
Total Xylenes	(.005)	<.005
Chlorobenzene	(.005)	<.005
1,2-Dichlorobenzene		<.005
1,3-Dichlorobenzene		<.005
1,4-Dichlorobenzene	(.005)	<.005



From : Groth Brothers Received : 10/25/90

Matrix : Soil

Parameter / (Repo	rting Limit)	Measured Value
Benzene	(.005)	<.005
Toluene	(.005)	<.005
Ethylbenzene	(.005)	<.005
Total Xylenes	(.005)	<.005
Chlorobenzene	(.005)	<.005
1,2-Dichlorobenze	ne (.005)	<.005
1,3-Dichlorobenze		<.005
1,4-Dichlorobenze		<.005



From : Groth Brothers Received : 10/25/90

Matrix : Soil

Parameter / (Repo	orting Limit)	Measured Value
Benzene	(.005)	<.005
Toluene	(.005)	<.005
Ethylbenzene	(.005)	<.005
Total Xylenes	(.005)	<.005
TPH as Gasoline	(.5)	<.5

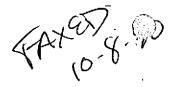
Western Environmental

1046 Olive Drive, Suite 3 Davis, CA 95616 916-753-9500 FAX #: 916-753-6091

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Science & Technolog	y												l																							
Project Manager:		47					one		<u> </u>	ر ۲۶	4-27	333				Al	NA	LYS	SIS	RE	Ql	JES	T						0	тн	ER			PE(IL NG
Address: [] A	a Marli	wt	- (O R	1Ch	FA Pro	7	. I S GAI !	٠.		_	106		BTEX/TPH as Gasoline (602/8020/8015)				; (418.1)															(24 hr)	CAPEUII ED SERVICE (48 nf) Of (1 WK)	SPECIAL DETECTION LIMITS (SPECIEY)	SPECIAL REPORTING REQUIREMENTS
Project Location:	L 3+			ln	ne	Sa	ppl				ext	2		oline (602/8	TPH as Diesel (8015 or 8270)	The as Jettuel (8015 or 8270)	(413.1)	Dtal Petroleum Hydrocarbons (418.1)				Bs Only				EPA - Priority Pollutant Metals	(39.5)						RUSH SERVICE (12 hr) or (24 hr)	TVICE (40	LIMIT NO.	TING REOL
Sample	Lab #	1 1			latri	ix	İ	Mei res			Sam	pling	2/8020)	H as Gas	iesel (801	etruei (80	Total Oil & Grease (413.1)	H mnelo	8010	8020	8080	EPA 608/8080-PCBs Only	0540	Metals	EPTOX - 8 Metals	ority Poll	LEAD(7420/7421/239.2)	LEAD					ERVICE	LED OF	DETECT	REPOR
ID	(Lab use)	# CONTAINERS	Volume/Amount	SOIL	AIR	SLUDGE	HCI	HNOs	NONE	ОТНЕВ	· DATE	TIME	BTEX (602/8020)	втехтр	TPH as D	L PH as	Total Oil	Total Pet	ERA 601/8010	FPA 602/8020	EPA 608/8080	EPA 608/8080	EPA 625/8270	CAM - 17 Metals	EPTOX-	EPA - Pri	LEAD(74	ORGANIC LEAD				z	RUSHS	VERBAI S/EAY	SPECIAL	SPECIAL
		1	\top	N					¥		19/24	300				Ţ	17	4	X	X	V		T	Ţ		П										
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Relinquished b		10	Dat	e	Time }6:			Recei			Labora	tory:								1		-)r					Į.						0) [(3)	





WASTE CHARACTERIZATION FORM

LAB: (415)543-0906

	I.	WASTE GENERATOR
		US EPA IDN: CAD-981400211
		Facility: GROTH BROTHERS
		Address: 59 L STREET
ល		City/State: Livermore CALIF. Zip: 94550
NIGHT: 543-4835		Contact: Dick GROTH Telephone: (415) 443-7500
43-	4	
	II.	DESCRIPTION OF WASTE
生	•	1. General Description: TANK REMOVAL
Ž		2. Process Generating this Waste: TANK DECOMMISSIONING
AND		3. Is this listed under F, K, P, or U? yes no X 2)/,500
		4. Quantity: 5 tons yards gallons 2 330
DAY		5. Frequency: weekly monthly annually once K
•		other
07		6. Shipment Mode: bulk drums other By FLATBED TRUCK
94107		
B	III.	WASTE CLASSIFICATION & SHIPPING DESCRIPTION
		1. California Waste Category Number: 512
SC		2. EPA Waste Code Number: N/A
Ş		3. Proper DOT Shipping Name: NON RICRA HAZ. SOLID WASTE
FRANCISCO,	TU	HAZARD CLASS
_	14.	Toxic K Corrosive Radioactive
SAN		Reactive Ignitable Etiological
SIN,		Reactive
	٧.	CHARACTERISTICS OF WASTE
A B		1. Is this a: liquid sludge solid X_
Ž		Stratification: none X two multi (layers)
Ü		2. Viscosity (Liquids) Similar to: water N/A motor oil honey
220 CHINA BA		3. Odor: none mild X strong describe: GASOUNE(3)
_		Specific Gravity (range): N/A-
4		4. pH: < 3 > 12 Actual Range N/A -
J	•	5. Flash Point: < 70°F > 140°F Actual N/A
		5. Flash Point: 101 Open Cup N/A

V +	CHE	EMICAL COMP	/US TUI	4		RANGE			
		•			<u>_N</u>	IN MAX.		. — · · · -	
	1.	EMPTY	()ND	ERGROUN]	<u> </u>	=	*	-	-
							%		
		STORAGE	TAN	<u> </u>			*		
		J				-	%		
							*		
						<u> </u>	% %		
					 -		*		
							%		
				······································			%		
		Must be equal	or greate	r than 100%	- Total	: 100	*		
	2.	Indicate if the							
			_		•		·		
		Cyanides	no 🗸	yes		ppm			
		PCBs	no	yes		ppm			
		Phenolics	no	yes		DDW DDM			
•		Sulfides	no <u> </u>	yes					
	3.	Indicate if each metal mu	this waste st be give	e contains en):	any of	the follow	ing (total o	concentration	ı of
		Arsenic	no 🗸	yes		mqq			
		Barium	no 🗸	yes		ppm			
		Beryllium	no 🔽	yes		ppm			
		Cadmium	no 🔽	yes		ppm			
		Chromium	no 🔽	yes	****	ppm			
		Chromium-Hex	no 🔽	уев		ppm			
		Cobalt	no	yes		bbs	•		
		Copper	no	yes		ppm ppm			
		Lead	no	yes		ppm			
		Mercury Molybdenum	no	yes		ppm			
		Nickel	no	yes		ppm			
		Selenium	no	yes		ppm			
		Silver	no V	yes		ppm			
		Thallium	no 🗸	yes		mqq			
		Vanadium	no 🗸	yes		ppm			
		Zinc	no 🔽	yes		ppm			
,		Other				ppm			
/11.	AC	DITIONAL I	NFORMA	LION					
	Pr pr	ovide additions	al commen	ts, analys is waste.	es or	wastestream	informatio	n necessary	r fo l
	^=	RTIFICATIO	N.	•					

VIII

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste material, and all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

Scott G. Environmental DEPT. ASS'T. (Title)



CERTIFICATE OF DISPOSAL

00°00 2 ED 20

			OC.	10BER 30, 1990
543-4835	H &	H Ship Service Company hereby	certifies to	SCOTT COMPANY
NIGHT:	1.	The storage tank(s), size(s)	2-550 GALS.	1-1,000 GALS. AND
DAY AND		removed from the GROTH BRO		
۵		59 SOUTH	"L" STREET & RAI	
94107 •		LIVERMORE	, CALIFORNIA	
S S	wer San	e transported to H & H Ship Ser Francisco, California 94107.	rvice Company, 2	220 China Basin St.,
SCO,	2.	The following tank(s), H & H &	Job Number 616	55
PANC		have been steamed cleaned, cut rendered harmless and disposed	with approximal of as scrap me	tely 2' X 2' holes,
<u> </u>	3.	Disposal site: SCHNITZER STEEL	., OAKLAND, CALI	FORNIA.
BASIN, SAN FRANCISCO,	4.	The foregoing method of destrumaterials involved, and fully regulatory and permit requirements	complies with a	is suitable for the
- VIII	5.	Should you require further inf (415) 543-4835.	formation, pleas	e call

Very Truly Yours,

Cleverand Calrey Operations Coordinator

	UNDERGROUND STORAGE TANK UNAUTHORIZED	O RELEASE (LEAK) / CONTAMINATION SITE REPORT
EME	RIGERCY HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED 7	FOR LOCAL AGENCY USE ONLY THEREBY CERTIEN THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE
	AES (X) NO TES (X: NO	REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFTY CODE
	ORTOATE CASE .	SIGNED DATE
	NAME OF INDIVIDUAL FILING REPORT PHONE	SIGNATURE A
Bç		34-2333 Jay gra 1
EPORTED	REPRESENTING OWNER/OPERATOR REGIONAL BOARD LOCAL AGENCY OTHER CONTRACTOR	COMMINITION NEEDER TO THE TENTE OF THE TENTE
F. P.	ADDRESS	<u> </u>
	SIREET	CITY STATE . ZP
별	NAME	CONTACT PERSON PHONE
BISNO	GROTH BROTHERS UNKNOWN	Vick broth
RESPONSIBLE PARTY	ADDRESS 59 SO LINES + LIV	lermone state De
	FACILITY NAME (IF APPLICABLE)	OPERATOR PHONE
ğ	ADDRESS	()
SITE LOCATION		- ivenimone country ze
STE STE		ERCIAL NOUSTRIAL RURAL TYPE OF BUSINESS RETAIL FUEL STATION
		THER FARM Y OTHER CAR Dealer
g 8	LOCAL AGENCY NAME	CONTACT PERSON PHONE
MENT	Ala County Health	011 WISTAR 2/11-4320
MPLEMENTING AGENCIES	REGIONAL BOARD	PHONE
	(1) NAME	QUANTITY (CALLONS)
ŠŠ.	Oil (nease	20 galle UNKNOWN
SUBSTANCES INVOLVED	19 Gasoline	72500 /10 UNKNOWN
¥	DATE DISCOVERED HOW DISCOVERED INVEI	NTORY CONTROL. SUBSURFACE MONITORING NUISANCE CONDITIONS
ERY/ABATEMENT	MOM ON ON 940 TANK TEST TANK	REMOVAL OTHER
YAB		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) X REMOVE CONTENTS REPLACE TANK CLOSE TANK
OVER I	M D D Y Y CNKNOWN HAS DISCHARGE BEEN STOPPED 7	REPAIR TANK REPAIR PIPING CHANGE PROCEDURE
DISCOVE	TYES NO FYES, DATE IN ON 10 00 940 V	DOTHER REMOVE TANK
3SE	SOURCE OF DISCHARGE TANKS ONLY/CAPACITY	MATERIAL CAUSE(S)
SOURCE/CAUSE	TANKLEAK WUNKNOWN 500 GAL	FIBERGLASS OVERFIL RUPTURE/FALURE
SURC	PIPING LEAK AGE YRS OTHER THINKNOWN	X STEEL CORROSION UNKNOWN
	CHECK ONE ONLY	OTHER SPILL OTHER
CASE	UNDETERMINED X SOILONLY GROUNDWATER	DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
۵۲	CHECK ONE ONLY	
CURRENT STATUS	SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM)	CLEANUP IN PROGRESS SIGNED OFF (CLEANUP COMPLETED OR UNINECESSARY)
<u>გ</u> გ	NO ACTION TAKEN POST CLEANUP MONITORING IN PROGRESS	NO FUNDS AVAILABLE TO PROCEED EVALUATING CLEANUP ALTERNATIVES
볼 ౽	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) CAP SITE (CD) EXCAVATE & DISPOSE (ED)	X REMOVE FREE PRODUCT (FP) ENHANCED BIO DEGRADATION (IT)
REMEDIAL ACTION	CONTAINMENT BARRIER (CB) (X) EXCAVATE & TREAT (ET)	PUMP & TREAT GROUNDWATER (GT) REPLACE SUPPLY (RS)
æ	TREATMENT AT HOOKUP (HU) NO ACTION REQUIRED (NA)	ОТНЕЯ (ОТ)
én.		
COMMENTS	3. * · · · · · · · · · · · · · · · · · ·	
8	•	

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services Toxic Substances Control Division Secremento, California

UNIFORM HAZARDOUS 1. Generator's US EPA ID N WASTE MANIFEST C A D 9 8 1 4 0	·	anilest reent/No.1	2. Page 1 of 1		ion in the shaded areas quired by Federal law.
3. Generator's Name and Mailing Address GROTH BROTHERS			A. State Manif		nni Number 90283216
59 South "L" Street, Livermore, CA. 94	550		B. State Gener		
4. Generator's Phone (15) 443-7500					
6. Transporter 1 Company Name 8. H & H Ship Service Company C A D	US EPA ID Number	1 6 0	C. State Trans		
H & H Ship Service Company C A D 7. Transporter 2 Company Name 8.	0 0 4 7 7 1 US EPA ID Number	1 6 8	D. Transporter	*	(415) 543-4835
The second of th	I I I I I I		F. Transporter		
9. Designated Facility Name and Site Address 10.	US EPA ID Number		G. State Facili		
H & H Ship Service Company			CAD	0 0 4	7 7 1 1 1 1 6 8 1
220 China Basin Street			H. Facility's Pi	ione:	A Transaction of the Control
San Francisco, CA 94107 C A D	0 0 4 7 7 1		11/1/2	-	The second secon
11. US DOT Description (including Proper Shipping Name, Hazard Class, s	and ID Number)	12. Conti		Fotel luantity	14. Unit Wests No.
a ,		140,	1996		Wt/Vol State 512
RESIDUE DIESEL TANK					EPA/Other
NON-RCRA HAZARDOUS WASTE SOLID		0 0 1	T P 0 1	5 0 0	P
RESIDUE GASOLINE TANK					Sinte 512
NON-RCRA HAZARDOUS WASTE SOLID		0.0.1	T P 0 1	E . A . A	P EPA/Other
0.	·	0 10 11	1 1 1 1 1 1	2 10 10	Brate 512
RESIDUE GASOLINE TANK					EPA/Other
NON-RCRA HAZARDOUS WASTE SOLID		0 0 1	T P 0 1	01010	P
d.	•	·			State 512
RESIDUE WASTE OIL AND GASOLINE TANKS NON-RCRA HAZARDOUS WASTE SOLID		0.0.2	m.n	E . E . A	EPA/Other
J. Additional Descriptions for Materials Listed Above		0 10 12	TIP 0 10 1 K. Hendling C		P astes Listed Above
PUMPED OUT 1,500, 1,000 and 550 gallon	tanks last		01		6 ': 01
containing diesel, gasoline and waste	oil. Tanks		c. 01		-a-01
inerted with dry ice for transport.	, E7	10.00	100		
16. Special Handling Instructions and Additional Information		0 0 3	CDC771.1	>====	
APPROPRIATE PROTECTIVE CLOTHING AND RE	SPIRATOR	R 211F	: CROTH I		
	N				Railroad Streets alifornia
JOB # 6165				,, c, c	
GENERATOR'S CERTIFICATION: I hereby declare that the contents and are classified, packed, marked, and labeled, and are in all respect national government regulations. If I am a large quantity generator, I certify that I have a program in plate to be economically practicable and that I have selected the practicable present and future threat to human health and the environment; OR, if generation and select the best waste management method that is average.	ce to reduce My volume	and toxicity	oy highway acco y of waste gener discoset currentl	rding to api ated to the	plicable international and degree I have determined to me which minimizes the
Publied/Typed/brame	Signature	7			Month Day Year
LAU KODDA FOR DICK GROTH	X-X-1		(m.L)1	1.	MFA 11011101910
17. Transporter 1 Acknowledgement of Receipt of Materials	11V 010		Vi Paris		KT- 16-1-1-1-10-10-10
Printed/Typed Name DOMI NOO WILLIAWS	Signature	(0)	1/1	1	Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials			KLE		111011101910
Printed/Typed Name	Signature				Month Day Year
					1 1 1 1 1 1
19. Discrepancy Indication Space/ The tank bottom residuals remaining in	waste oil ta	nk Lin	e 11d. d	rummed	and sent to:
American Environmental Management, 118 (800) 826-9040. EPA #CAD980884183, un	55 White Rock	Road.	Rancho (
20. Facility Owner or Operator Certification of receipt of hazardous mater	lals covered by this men	ifeal except	t as noted in iter	n 19,	
Printed/Typed Name CLEVELAND VALREY	Signature			<u></u>	Month Day Year
CITACLAS AVILLE!	_///			27	711011161910

DHS 8022 A EPA 8700—22 (Rev. 6-89) Previous editions are obsolets.

FACILITY

NOLOCOLLO LOCULO IN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

Do Not Write Below This time

White SPT SENDS THIS COPY TO DOHS WITHIN 30 DAYS to: P.O. Box 3000, Sucramento, CA 95812

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services Toxic Substances Control Division Sacramento, California

	WASIE MANIFES!		denifest :umen No		ton al	required	re shaded areas by Federal law.
ľ	3. Generator's Name and Mailing Address ÇROPH - RROTHIES			A. State	Manifest Docu	902	83506
	59 ROUTH "C" STREET, LIVERHORE, CA. 945	50		j B. Stata	Generator's ID		
1	4. Generator's Phone (15) 113-75(H)			JI A	中自身性	1 1	
1	5. Transporter 1 Company Name 6.	US EPA ID Number	1 d 6s	200	Transporter's	. 2. 25	10941
Ŀ		0 0 4 7 7 1	1 4 19		porter's Phone		
ľ	7. Transporter 2 Company Name 8.	US EPA ID Number		100000	Transporter's	2000 1 2 2 2 2 2 2 2 2 2 2 2	
h	Designated Facility Name and Site Address 10.	US EPA ID Number	<u> </u>	G. State	Facility's ID		
١	ARERICAN ENVIRONMENTAL HOT.	•					
١	T1855 White Brook Road Rample Cordora, CA 95670 P.A.D.		3.48.3	1 Sec 23 2 2 2 2 2	ity's Phone	er e	
ŀ	Remarks Corones, va 95070	<u> </u>	12. Cont	333520	13. Total	14.	
ŀ	11. US DOT Description (including Proper Shipping Name, Hazard Class, a	nd ID Number)	No.	Туре	Quantity	Unit W1/Vo	Waate No
t	å.			1 "			State & L.
۱	HARARDOUS WASTE LIGHTLE, N.O.S. CHM-R I	188、6176	<u>.</u>		a a a r		EPA/Other
L			1, 1, 1,	1, 1,	<u>, 1, 1, 1, 1, 1</u>) ()	State
ľ	b .			1.			*/ J.
1			1		1111		EPA/Other
ŀ	0.			 			State
							EPA/Other
L							C. Salah (2007)
Ţ	d.						State /
١			1	1.1			EPA/Other
	15. Special Handling Instructions and Additional Information		•	n t	X85411 € 1 1		<u> </u>
ı	APPROVITATE PROTECTIVE CONTINUE AND RE	SPTRATOR.	-				
	GENERATOR'S CERTIFICATION: I hereby declare that the contents and are classified, packed, marked, and labeled, and are in all respect national government regulations. If I am a large quantity generator, I certify that I have a program in plat to be economically practicable and that I have selected the practicab present and future threat to human health and the environment; OR, if generation and select the best waste management method that is averaged.	cts in proper condition are to reduce the volume the method of treatment them a small quantity	for transport me and toxici it, storage, or generator, i	by highw ity of was r disposal	ay according to te generated to currently avails	the degre	ie international an e i have determin which minimizes :
	CLEVELAND VALVEY		And the second	The state of the s	Commence	TREE	
	17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature /	Towns and addition		The same of the sa		Month Day
-	JOHN J. CIOH	1/1/	112	1	St. rank		11 10 12 16
1	18. Transporter 2 Acknowledgement of Receipt of Materials	100		4			
	Printed/Typed Name	Signature					Month Day
	(1111
	Tank bottom sludge removed from tank	transported	on man	lfost	#902832	16. W	asta oil i
	line d.			-			
	20. Facility Owner or Operator Certification of receipt of hazardous mater	rials covered by this m	nanliest exce	p) as not	ed in Item 19.		Month Day
	line d.		nanifest exce	pl as not	ed in item 19.	 ر	Month Day

当しているし 3000 CL 1400-852-7550 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802:"WITHIN CALIFORNIA CALL 1-800-852-7550