



ENVIRONMENTAL CONTRACTORS
Tank Installation & Removal Remedial Services
1741 Leslie St. San Mateo, Calif. 94402
General & Engineering Contractors

(510) 484-5838

(415) 572-8033 (415) 572-9734 FAX

DATE: 9-18-95 TIME: 8:45

TO: Alameda County
ATTN: Susan Hugo

FAX#: (510) 337-9335
OF PAGES INCLUDING COVER: 5

COMMENTS: Re: Analytical
Owens Financial
3623 Adeline St.
Emeryville

FROM: Bonne



North State Environmental
Chemical Waste Disposal - Tracking - Consulting

CERTIFICATE OF ANALYSIS

JOB NO: 95-424 DATE SAMPLED: 08-31-95
CLIENT: SEMCO DATE EXTRACTED: 09-01-95
PROJECT NAME: 95-4366 DATE ANALYZED: 09-01-95
OWENS FINANCIAL

BTXE RANGE ORGANICS BY
EPA METHOD 8020/5030 AND 8015 M
DIESEL RANGE HYDROCARBONS BY EPA METHOD 8015 M

Sample No.	Client ID	Analyte	Result
95-424-01	North End @ 9'	Benzene	11 ug/Kg
		Toluene	23 ug/Kg
		Ethylbenzene	16 ug/Kg
		Xylenes	110 ug/Kg
		Diesel	440 mg/Kg
95-424-03	South End @ 9'	Benzene	ND
		Toluene	ND
		Ethylbenzene	ND
		Xylenes	ND
		Diesel	ND

Quality Control Quality Assurance Summary: Soil

Analyte	Method	Reporting limit	Blank	MS/MSD Recovery	RPD
Benzene	8020	5 ug/Kg	ND	AVG 97%	10
Toluene	8020	5 ug/Kg	ND		
Ethylbenzene	8020	5 ug/Kg	ND		
Xylenes	8020	10 ug/Kg	ND		
Diesel	8015 M	1 mg/Kg	ND	AVG 82%	5

ELAP CERTIFICATION NUMBER 1753

Reviewed and Approved by


John Murphy
Laboratory Director



North State Environmental Analytical Laboratory

Chain of Custody/Request for Analysis

Gray

(415) 588-9652

Client: SEMCO		Phone: (415) 572-8033		Report to: SEMCO			Turnaround Time		
Mailing Address: 1741 LESLIE STREET SAN MATEO, CA 94402				Billing to: 1741 LESLIE STREET SAN MATEO, CA 94402			8 Hr	24 Hr	
Site Address: 3623 ADELINE ST., EMERYVILLE				PO# / Billing Reference: 95-4366 OWENS FINANCIAL			40 Hr	5 Days	
Sampler: <i>JAMES ATKINSON</i>		Date: <i>8-31-95</i>		Other <input type="checkbox"/>					
ANALYSIS REQUESTED									
Sample ID:	Sample Description	Container # / type	Sampling Time/Date	TPH-D	TPH-G	BTEX	O+G	Remarks	
<i>#1</i>	<i>NORTH END @ 9'</i>	<i>TUBE</i>	<i>2:50pm / 8-31</i>	<i>X</i>		<i>X</i>			
<i>#2</i>		<i>TUBE</i>	<i>3:15pm / 8-31</i>	<i>X</i>		<i>X</i>		<i>Hold</i>	
<i>#3</i>	<i>SOUTH END @ 9'</i>	<i>TUBE</i>	<i>3:40pm / 8-31</i>	<i>X</i>		<i>X</i>			
Relinquished by: <i>James Atkinson</i>		Date: <i>8-31</i> Time: <i>6:01</i>		Received by: <i>[Signature]</i>			Yes <input type="checkbox"/> No <input type="checkbox"/>		
Relinquished by:		Date: Time:		Received by:			Were samples Preserved ? <input checked="" type="checkbox"/>		
Relinquished by:		Date: Time:		Received in lab by: <i>[Signature]</i>			In good condition ? <input checked="" type="checkbox"/>		

09/05/1995 10:42 4155729734 SEMCO-SAN MATEO PAGE 02
 9-1-95 THU 16:15 P.03



North State Environmental
Chemical Waste Disposal · Trucking · Consulting

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

JOB NO: 95-424

CLIENT: SEMCO

PROJECT NAME: 95-4366

OWENS FINANCIAL

DATE SAMPLED: 08-31-95

DATE EXTRACTED: 09-01-95

DATE ANALYZED: 09-01-95

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EPA METHOD 8020/5030 AND 8015 M
DIESEL RANGE HYDROCARBONS BY EPA METHOD 8015 M

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		Xylenes	110 ug/Kg
		Diesel	440 mg/Kg
95-424-03	South End @ 9'	Benzene	ND
		Toluene	ND
		Ethylbenzene	ND
		Xylenes	ND
		Diesel	ND

Quality Control Quality Assurance Summary: Soil

Analyte	Method	Reporting limit	Blank	MS/MSD Recovery	RPD
Benzene	8020	5 ug/Kg	ND	AVG 97%	10
Toluene	8020	5 ug/Kg	ND		
Ethylbenzene	8020	5 ug/Kg	ND		
Xylenes	8020	10 ug/Kg	ND		
Diesel	8015 M	1 mg/Kg	ND	AVG 82%	5

ELAP CERTIFICATION NUMBER 1753

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John Murphy
Laboratory Director



North State Environmental Analytical Laboratory

Chain of Custody/Request for Analysis

95-007

(415) 588-9652

Client: SEMCO		Phone: (415) 572-8033		Report to: SEMCO			Turnaround Time					
Mailing Address: 1741 LESLIE STREET SAN MATEO, CA 94402				Billing to: 1741 LESLIE STREET SAN MATEO, CA 94402			8 Hr	24 Hr				
Site Address: 3623 ADELINE ST., EMERYVILLE				PO# / Billing Reference: 95-4366 OWENS FINANCIAL			40 Hr	5 Days				
Sampler: <i>JAMES ATKINSON</i>		Date: <i>8-31-95</i>					Other					
Sample ID:	Sample Description	Container # / type	Sampling Time/Date	ANALYSIS REQUESTED								Remarks
				TPH-D	TPH-G	BTEX	O+G					
<i>#1</i>	<i>NORTH END @ 9'</i>	<i>TUBE</i>	<i>2:50pm / 8-31</i>	<i>X</i>		<i>X</i>						
<i>#2</i>		<i>TUBE</i>	<i>3:15pm / 8-31</i>	<i>X</i>		<i>X</i>						<i>HOLD</i>
<i>#3</i>	<i>SOUTH END @ 9'</i>	<i>TUBE</i>	<i>3:40pm / 8-31</i>	<i>X</i>		<i>X</i>						
Relinquished by: <i>James Atkinson</i>		Date: <i>8-31</i> Time: <i>6 PM</i>		Received by: <i>[Signature]</i>					Yes	No		
Relinquished by:		Date: Time:		Received by:			Were samples Preserved ?			<input checked="" type="checkbox"/>		
Relinquished by:		Date: Time:		Received in lab by: <i>[Signature]</i>			In good condition ?			<input checked="" type="checkbox"/>		

09/18/1995 08:39 4155729734 SEMCO-SAN MATEO PAGE 03



North State Environmental

Chemical Waste Disposal · Trucking · Consulting

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

JOB NO: 95-428
 CLIENT: SEMCO
 PROJECT NAME: 95-4366

DATE SAMPLED: 09-05-95
 DATE EXTRACTED: 09-05-95
 DATE ANALYZED: 09-05-95

OWBNS FINANCIAL

BTXE RANGE ORGANICS BY
 EPA METHOD 8020/5030 AND 8015 M
 DIESEL RANGE HYDROCARBONS BY EPA METHOD 8015 M

Sample No.	Client ID	Analyte	Result
95-428-01	#4 EAST S.W. 7'	Benzene	ND<10 ug/Kg
		Toluene	21 ug/Kg
		Ethylbenzene	ND<10 ug/Kg
		Xylenes	62 ug/Kg
		Diesel	1400 mg/Kg
95-428-02	#5 WEST S.W. 7'	Benzene	81 ug/Kg
		Toluene	800 ug/Kg
		Ethylbenzene	170 ug/Kg
		Xylenes	1700 ug/Kg
		Diesel	4900 mg/Kg
95-428-03	#6 N.W. CENTER 9'	Benzene	ND<25 ug/Kg
		Toluene	180 ug/Kg
		Ethylbenzene	190 ug/Kg
		Xylenes	1700 ug/Kg
		Diesel	21000 mg/Kg
95-428-04	#7 Bottom Center 9'	Benzene	ND
		Toluene	10 ug/Kg
		Ethylbenzene	ND
		Xylenes	25 ug/Kg
		Diesel	400 mg/Kg

Quality Control Quality Assurance Summary: Soil

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Ethylbenzene	8020	5 ug/Kg	ND		
Xylenes	8020	10 ug/Kg	ND		
Diesel	8015 M	1 mg/Kg	ND	AVG 90%	5

ELAP CERTIFICATION NUMBER 1753

Reviewed and Approved by


 John Murphy

Laboratory Director



North State Environmental Analytical Laboratory

Chain of Custody/Request for Analysis

95-028

(415) 588-9652

Client: SEMCO		Phone: (415) 572-8033	Report to: SEMCO	Turnaround Time					
Mailing Address: 1711 Lurie St. San Mateo, Ca. 94402		Billing to: 1711 Lurie St. San Mateo, Ca. 94402		8 Hr <input type="checkbox"/>	24 Hr <input type="checkbox"/>				
Site Address: 3623 Adeline St. Greenwayville		PO# / Billing Reference: 95-4366 Owen Financial		40 Hr <input type="checkbox"/>	5 Days <input type="checkbox"/>				
Sampler: James Archison		Date: 9-5-95	Other <input type="checkbox"/>						
ANALYSIS REQUESTED									
Sample ID:	Sample Description	Container # / type	Sampling Time/Date	TPH-D	TPH-G	BTEX	O+G	Remarks	
#4	EAST S.W. Q7	1 tube	11:47am / 9-5	X		X			
#5	WEST S.W. Q7	1 tube	11:58am / 9-5	X		X			
#6	N.W. corner Q9	1 tube	12:02pm / 9-5	X		X			
#7	BOTTOM CENT. Q9	1 tube	12:12pm / 9-5	X		X			
SOIL SAMPLES COOL									
Relinquished by: James Archison		Date: 9-5-95	Time: 1:52	Received by: [Signature]				Yes	No
Relinquished by:		Date:	Time: [Signature]	Received by:		Were samples Preserved ?			<input checked="" type="checkbox"/>
Relinquished by:		Date:	Time:	Received in lab by: [Signature]		In good condition ?			<input checked="" type="checkbox"/>



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Tank Installation & Removal Remedial Services
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General & Engineering Contractors

(415) 572-8033 (415) 572-9734 FAX

DATE: 9-18-95 TIME: 8:55

TO: Alameda County
ATTN: Susan Hugo

FAX#: (510) 337-9335
OF PAGES INCLUDING COVER: 7

COMMENTS: Re: Spoils / Dirt Truck
Quens Financial
3623 Adeline St.
Emeryville

FROM: Bonne

McCAMPBELL ANALYTICAL INC.	110 2nd Avenue South, #D7, Pacheco, CA 94553 Tele: 510-798-1620 Fax: 510-798-1622
-----------------------------------	--

Remco 2717 Goodrick Avenue Richmond, CA 94801	Client Project ID: Semco, 36th St.	Date Sampled: 08/21/95
	Client Contact: Steve Humphrey	Date Received: 08/22/95
	Client P.O.:	Date Extracted: 08/22/95
		Date Analyzed: 08/25/95

LUFT Metals

EPA analytical methods 8010/8012, 8013

Lab ID	Client ID	Matrix	Extraction ^a	Cadmium	Chromium	Lead	Nickel	Zinc	% Rec. Surrogate
55616	36	S	TTLC	ND	29	8.3	52	35	92
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	S	TTLC	0.5 mg/L	0.5	3.0	2.0	1.0		
	W	TTLC	0.01 mg/kg	0.005	0.005	0.02	0.01		
	—	STLC,TCLP	0.01 mg/L	0.05	0.2	0.05	0.05		

^a soil samples are reported in mg/kg, and water samples and all STLC & TCLP extracts in µg/L

^b Lead is analyzed using EPA method 8010 (ICP) for both, STLC & TCLP extracts and method 3912 (AA Furnace) for water samples

^c EPA extraction methods 1311 (TCLP), 3010/3020 (water, TTLC), 3040 (organic matrices, TTLC), 3050 (solids, TTLC); STLC from CA Title 22

^d surrogate diluted out of range; N/A means surrogate not applicable to this analysis

i) liquid sample that contains greater than ~ 2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations.

DHS Certification No. 1644  Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC. 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

Remco 2717 Goodnick Avenue Richmond, CA 94801	Client Project ID: Semco, 34th St	Date Sampled: 08/21/95
		Date Received: 08/22/95
	Client Contact: Steve Humphrey	Date Extracted: 08/25/95
	Client P.O:	Date Analyzed: 08/25/95

RCI (Reactivity, Corrosivity & Ignitability)

CA Title 22, Section 66261.31-66261.33

Lab ID	Client ID	Matrix	Reactivity ^a	Corrosivity (pH)	Ignitability ^b
55616	36	S	negative	8.08	negative

^a negative means no obvious reaction with water, no evolution of gas upon contact with water, appears to contain no relative cyanide or sulfide (< ~ 5 mg/kg cyanide and 50mg/kg sulfide by EPA SW-846, chapter 7, modified), and shows no indication of explosivity.
^b negative for a soil means the absence of spontaneous combustion and the absence of flammability upon exposure to a naked flame.

DHS Certification No. 1644  Edward Hamilton, Lab Director

1014 P.07

McCAMPBELL ANALYTICAL INC.	110 2nd Avenue South, #D7, Pacheco, CA 94553 Tele: 510-798-1620 Fax: 510-798-1622
-----------------------------------	--

INVOICE FOR ANALYTICAL SERVICES

Attention: Accounts Payable

Semco 2717 Goodrick Avenue Richmond, CA 94801	Client Project ID: Semco, 16th St.	Date Sampled: 08/21/95
	Client Contact: Steve Humphrey	Date Received: 08/22/95
	Client P.O.:	Date Extracted: 08/22/95
		Date Analyzed: 08/22/95

Billing Date: 08/30/95

INVOICE # 4710

Number of Samples	Analysis	TAT	Unit Price	Sub-Totals
1	TPH (d-STEX)	5d	\$50	\$50
0	TPH (d)	5d	\$30	\$0
1	Oil & Grease (418.1 or 5520)	5d	\$35	\$35
0	EPA 601/901/902	5d	\$70	\$0
1	RCI	5d	\$70	\$70
0	CAM 17 Metals	5d	\$150	\$0
0	13 Priority Pollutant Metals	5d	\$120	\$0
0	10 Forward Metals	5d	\$100	\$0
1	SLUT Metals	5d	\$60	\$60
0	Technical Metal (AA Flame Furnace)	5d	\$25	\$0
0	Organic Lead	5d	\$60	\$0
0	STLC Extraction	5d	\$50	\$0
0	ZHE TCLP Extraction	5d	\$100	\$0
0	Semi-Volatile TCLP Extraction	5d	\$50	\$0
0		rubbed	\$0	\$0
INVOICE TOTAL: \$215				

Please include the invoice number(s) with your check and remit to:

McC Campbell Analytical Inc.
 110 2nd Avenue South, # D7
 Pacheco, CA 94553

Terms are net 30 days from the billing date. After this period 1.5% interest per month will be charged. Overdue accounts are responsible for all legal and collection fees. If you have any questions about billing please contact Ed Hamilton at McC Campbell Analytical.

McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #157, Pacheco, CA 94353
Tele: 510-798-1620 Fax: 510-798-1622

Remco 2717 Goodrick Avenue Richmond, CA 94801		Client Project ID: Semco, 36th St.		Date Sampled: 08/21/95				
		Client Contact: Steve Humphrey		Date Received: 08/22/95				
		Client P.O.:		Date Extracted: 08/22/95				
				Date Analyzed: 08/22-08/23/95				
Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with BTEX [†] EPA method 8090 modified 8013, and 8020 or 8021, California R/WOCB (BY Dry Basis) method GC/FID 8036								
Lab ID	Client ID	Matrix	TPH (μ^{\dagger})	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
55616	16	S	26.8	ND	ND	ND	0.091	94
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.005	0.005	0.005	0.005	
* water and vapor samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L.								
† clustered chromatogram; sample peak coelutes with surrogate peak								
‡ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant (aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible phase is present; i) liquid sample that contains greater than ~ 5 vol. % sediment; j) no recognizable pattern.								

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC. 110 2nd Avenue South, #D7, Pacheco, CA 94553
 Tele: 510-798-1620 Fax: 510-798-1622

Remco 2717 Goodrick Avenue Richmond, CA 94801	Client Project ID: Semco, 36th St.	Date Sampled: 08/21/95
	Client Contact: Steve Humphrey	Date Received: 08/22/95
	Client P.O.:	Date Extracted: 08/22/95
		Date Analyzed: 08/22/95

Total Recoverable Petroleum Hydrocarbons as Oil & Grease (with Silica Gel Clean-up) by Scanning IR Spectrometry*
 EPA method 418.1 or 207a Standard Method 5520 CAP

Lab ID	Client ID	Matrix	TRPH*
55616	36	S	1700
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W		1.0 mg/L
	S		10 mg/kg

* water samples are reported in mg/L and soils in mg/kg
 # surrogate diluted out of range
 + At the laboratory's discretion, one positive sample may be run by direct injection chromatography with FID detection. The following comments pertain to this GC result: a) gasoline-range compounds (C6-C12) are present; b) diesel range compounds (C10-C23) are present; c) oil-range compounds (> C18) are present; d) other patterned solvent (?), e) isolated peaks; f) GC compounds are absent or insignificant relative to TRPH inferring that complex biologically derived molecules (lipids?) are the source of IR absorption; h) a lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~ 5 vol. % sediment.

**SEMCO
1741 LESLIE STREET
SAN MATEO, CALIFORNIA 94402**

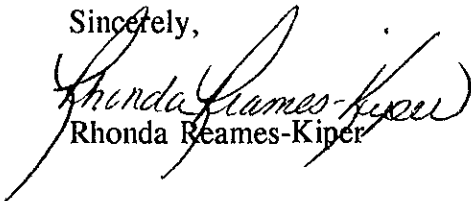
To:
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, # 250
Alameda, California 94502
Attn: Susan Hugo

Please find enclosed the soil analysis for the following address:

Tank Removal
3623 Adeline Street
Emeryville, CA

A final report containing manifest(s) and sample locations will be forwarded to you after compilation of all receipts, documents and permits pertaining to this tank removal

Sincerely,


Rhonda Reames-Kiper



North State Environmental
 Chemical Waste Disposal - Trucking - Consulting

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

JOB NO: 95-424
 CLIENT: SEMCO
 PROJECT NAME: 95-4366
 OWENS FINANCIAL

DATE SAMPLED: 09-05-95
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 EPA METHOD 8020/5030 AND 8015 M
 DIESEL RANGE HYDROCARBONS BY EPA METHOD 8015 M

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Diesel	8015 M	1 mg/Kg	ND		

ELAP CERTIFICATION NUMBER 1753

Reviewed and Approved by

[Signature]
 John Murphy

Laboratory Director



North State Environmental Analytical Laboratory
Chain of Custody/Request for Analysis

UP 4/28

(415) 588-9652

Client: SEMCO		Phone: (415) 572-8033		Report to: SEMCO				Turnaround Time					
Mailing Address: 1741 Lealie St. San Mateo, Ca. 94402				Billing to: 1741 Lealie St. San Mateo, Ca. 94402				8 Hr <input type="checkbox"/>		24 Hr <input type="checkbox"/>			
Site Address: 3623 Adelante St. Conroyville				PO# / Billing Reference: 95-4366 Owens Financial				40 Hr <input type="checkbox"/>		5 Days <input type="checkbox"/>			
Sampler: James Archison		Date: 9-5-95		Other <input type="checkbox"/>									
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#6	N.W. corner Q9	1 tube	12:02pm/9-5	X		X							
#7	BOTTOM CENTER Q9	1 tube	12:12pm/9-5	X		X							
				SOIL SAMPLES COLD									
Relinquished by: James Archison		Date: 9-5-95 Time: 1:52		Received by: [Signature]				Yes <input type="checkbox"/>		No <input type="checkbox"/>			
Relinquished by:		Date: Time: (B1)		Received by:				Were samples Preserved ? <input type="checkbox"/>		✓			
Relinquished by:		Date: Time:		Received in lab by: [Signature]				In good condition ? <input type="checkbox"/>		✓			



North State Environmental
Chemical Waste Disposal · Trucking · Consulting

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

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CLIENT: SEMCO
PROJECT NAME: 95-4366
OWENS FINANCIAL

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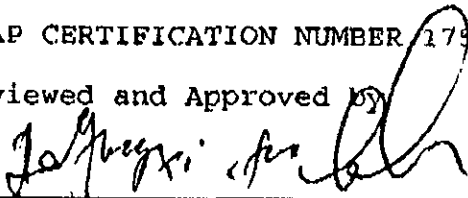
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John Murphy
Laboratory Director



North State Environmental Analytical Laboratory

Chain of Custody/Request for Analysis

95-019

(415) 588-9652

Client: SEMCO		Phone: (415) 572-8033	Report to: SEMCO				Turnaround Time					
Mailing Address: 1741 LESLIE STREET SAN MATEO, CA 94402			Billing to: 1741 LESLIE STREET SAN MATEO, CA 94402				8 Hr	24 Hr				
Site Address: 3623 ADELINE ST., EMERYVILLE			PO# / Billing Reference: 95-4366 OWENS FINANCIAL				40 Hr	5 Days				
Sampler: <i>JAMES ATKINSON</i>			Date: <i>8-31-95</i>		ANALYSIS REQUESTED							
Sample ID:	Sample Description	Container # / type	Sampling Time/Date	TPH-D	TPH-G	BTEX	O+G				Remarks	
<i>#1</i>	<i>NORTHEND @ 9'</i>	<i>TUBE</i>	<i>2:50pm / 8-31</i>	<i>X</i>		<i>X</i>						
<i>#2</i>		<i>TUBE</i>	<i>3:45pm / 8-31</i>	<i>X</i>		<i>X</i>					<i>HOLD</i>	
<i>#3</i>	<i>SOUTHEND @ 9'</i>	<i>TUBE</i>	<i>5:40pm / 8-31</i>	<i>X</i>		<i>X</i>						
Relinquished by: <i>James Atkinson</i>		Date: <i>8-31</i> Time: <i>6 PM</i>	Received by: <i>[Signature]</i>						Yes	No		
Relinquished by:		Date: Time:	Received by:				Were samples Preserved ?				<input checked="" type="checkbox"/>	
Relinquished by:		Date: Time:	Received in lab by: <i>[Signature]</i>				In good condition ?				<input checked="" type="checkbox"/>	



North State Environmental

Chemical Waste Disposal · Trucking · Consulting

CERTIFICATE OF ANALYSIS

JOB NO: 95-424

DATE SAMPLED: 08-31-95

CLIENT: SEMCO

DATE EXTRACTED: 09-01-95

PROJECT NAME: 95-4366

DATE ANALYZED: 09-01-95

OWENS FINANCIAL

BTXE RANGE ORGANICS BY
EPA METHOD 8020/5030 AND 8015 M
DIESEL RANGE HYDROCARBONS BY EPA METHOD 8015 M

Sample No.	Client ID	Analyte	Result
95-424-01	North End @ 9'	Benzene	11 ug/Kg
		Toluene	23 ug/Kg
		Ethylbenzene	16 ug/Kg
		Xylenes	110 ug/Kg
		Diesel	440 mg/Kg
95-424-03	South End @ 9'	Benzene	ND
		Toluene	ND
		Ethylbenzene	ND
		Xylenes	ND
		Diesel	ND

Quality Control Quality Assurance Summary: Soil

Analyte	Method	Reporting limit	Blank	MS/MSD Recovery	RPD
Benzene	8020	5 ug/Kg	ND	AVG 97%	10
Toluene	8020	5 ug/Kg	ND		
Ethylbenzene	8020	5 ug/Kg	ND		
Xylenes	8020	10 ug/Kg	ND		
Diesel	8015 M	1 mg/Kg	ND	AVG 82%	5

ELAP CERTIFICATION NUMBER 1753

Reviewed and Approved by

John Murphy
Laboratory Director



North State Environmental
 Chemical Waste Disposal · Trucking · Consulting

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

JOB NO: 95-428

CLIENT: SEMCO

PROJECT NAME: 95-4366

OWENS FINANCIAL

DATE SAMPLED: 09-05-95

DATE EXTRACTED: 09-05-95

DATE ANALYZED: 09-05-95

BTXE RANGE ORGANICS BY
 EPA METHOD 8020/5030 AND 8015 M
 DIESEL RANGE HYDROCARBONS BY EPA METHOD 8015 M

Sample No.	Client ID	Analyte	Result	
95-428-01	#4 EAST S.W. 7'	Benzene	ND<10	ug/Kg
		Toluene	21	ug/Kg
		Ethylbenzene	ND<10	ug/Kg
		Xylenes	62	ug/Kg
		Diesel	1400	mg/Kg
95-428-02	#5 WEST S.W. 7'	Benzene	81	ug/Kg
		Toluene	800	ug/Kg
		Ethylbenzene	170	ug/Kg
		Xylenes	1700	ug/Kg
		Diesel	4900	mg/Kg
95-428-03	#6 N.W.CENTER 9'	Benzene	ND<25	ug/Kg
		Toluene	180	ug/Kg
		Ethylbenzene	190	ug/Kg
		Xylenes	1700	ug/Kg
		Diesel	21000	mg/Kg
95-428-04	#7 Bottom Center 9'	Benzene	ND	
		Toluene	10	ug/Kg
		Ethylbenzene	ND	
		Xylenes	25	ug/Kg
		Diesel	400	mg/Kg

Quality Control Quality Assurance Summary: Soil

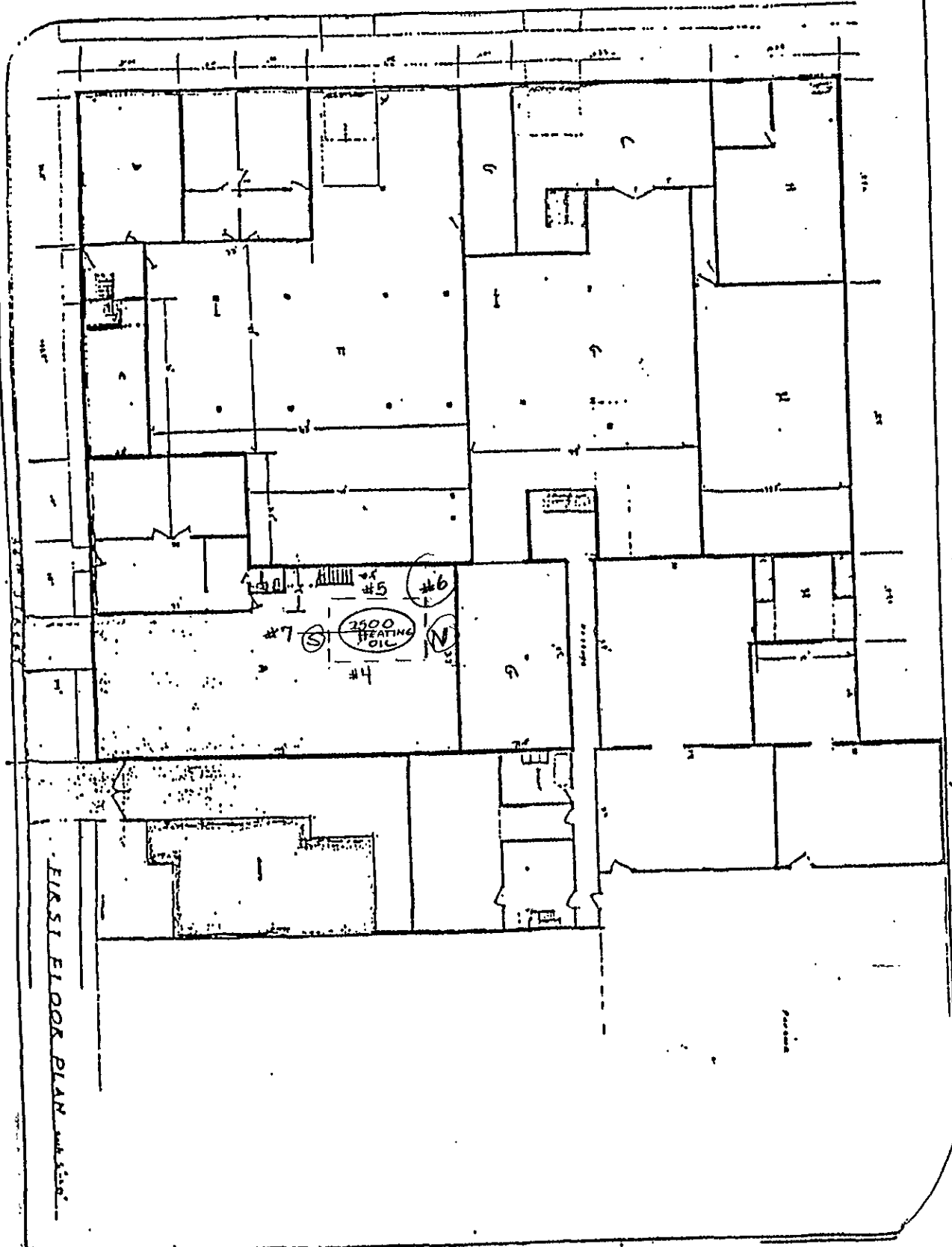
Analyte	Method	Reporting limit	Blank	MS/MSD Recovery	RPD
Benzene	8020	5 ug/Kg	ND	AVG 93%	7
Toluene	8020	5 ug/Kg	ND		
Ethylbenzene	8020	5 ug/Kg	ND		
Xylenes	8020	10 ug/Kg	ND		
Diesel	8015 M	1 mg/Kg	ND	AVG 90%	5

ELAP CERTIFICATION NUMBER 1753

Reviewed and Approved by


 John Murphy

MAGNOLIA STREET



- #4-EAST SID @ 7'
- #5-WEST SID @ 7'
- #6-N.W. COR @ 9'
- #7-BOTTOM C @ 9'
- N=Northend @ 9'
- S=Southend @ 9'

FIRST FLOOR PLAN

ADELINE STREET

SEMCO
3623 ADELINE S
EMERYVILLE

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
3623 Adeline Street/1168 36th Street, Emeryville, California

Boring No.	Sample Depth (ft bgs)	Sample Date	Petroleum Hydrocarbons (8015M)		Volatile Organics (8020)				Metals (3050)					RCI (mg/kg)
			TPH-d (mg/kg)	TPH-o (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl- benzene (µg/kg)	Total Xylenes (µg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)	
EW-1	5.0	11/14/95	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--
	9.5	11/14/95	29	ND	ND	ND	ND	ND	--	--	--	--	--	--
	15.0	11/14/95	56 ^a	55	27	400	360	1300	--	--	--	--	--	--
B-1	5.0	12/6/95	ND	16	ND	ND	ND	ND	--	--	--	--	--	--
	10.0	12/6/95	1.1 ^b	ND	ND	ND	ND	ND	--	--	--	--	--	--
	15.0	12/6/95	1.5 ^c	ND	8.5	22	36	91	--	--	--	--	--	--
B-2	15.0	12/6/95	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--
B-3	15.0	12/6/95	1.4 ^d	ND	ND	ND	ND	ND	--	--	--	--	--	--
B-4	5.0	12/6/95	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--
	10.0	12/6/95	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--
	15.0	12/6/95	1.9	ND	ND	ND	ND	ND	--	--	--	--	--	--
B-5	5.0	12/6/95	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--
	10.0	12/6/95	1.1	ND	ND	ND	ND	ND	--	--	--	--	--	--
	15.0	12/6/95	3.2	ND	ND	ND	ND	ND	--	--	--	--	--	--
B-6	15.0	12/6/95	34 ^c	ND	ND	30	49	88	--	--	--	--	--	--
Drums	--	3/8/96	--	--	--	--	--	--	ND	36	10	45	8	ND

EXPLANATION

ft bgs feet below ground surface.
mg/kg milligrams per kilogram ~ parts per million.
µg/kg micrograms per kilogram -- parts per billion.
-- not tested.
ND target analytes were not detected at or above the laboratory method reporting limit. See laboratory report for detection limits by analyte.
TPH total petroleum hydrocarbons quantified as noted below.
d = quantified as diesel
o = quantified as bunker oil k = quantified as kerosene
RCI reactivity, corrosivity, ignitability

NOTES

- a The sample appears to be a mixture of components which are both lighter and heavier than diesel. The hydrocarbon pattern representing the heavier fraction exhibits characteristics which are peculiar to fuel oil.
b The result for the diesel range hydrocarbons is an unknown hydrocarbon consisting of a single peak.
c The positive result appears to be a lighter hydrocarbon than diesel.
d Laboratory reported the positive result as having an atypical pattern for diesel analysis.

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
3623 Adeline Street/1168 36th Street, Emeryville, California

Boring No.	Sample Date	Petroleum Hydrocarbons EPA 8015M				Volatile Organics EPA 8020				PAH's (µg/L)
		TPH-g (mg/L)	TPH-d (mg/L)	TPH-o (mg/L)	TPH-k (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	
EW-1	12/21/95	--	4.0	ND	ND	0.7	9.2	0.8	3.8	--
	3/8/96	1.0 ^g	2.8	0.6 ^o	1.0 ^k	ND	7.2	0.6	2.4	ND
B-1	12/6/95	--	15 ^a	ND	--	13	ND	28	ND	--
B-3	12/6/95	--	0.28 ^a	ND	--	ND	ND	ND	1.5	--
B-4	12/6/95	--	ND	ND	--	ND	ND	ND	ND	--
B-5	12/6/95	--	0.49 ^a	ND	--	0.9	0.6	4.8	20	--
B-6	12/6/95	--	2.3 ^a	ND	--	28 ^g	20 ^g	65 ^g	11 ^g	--

EXPLANATION

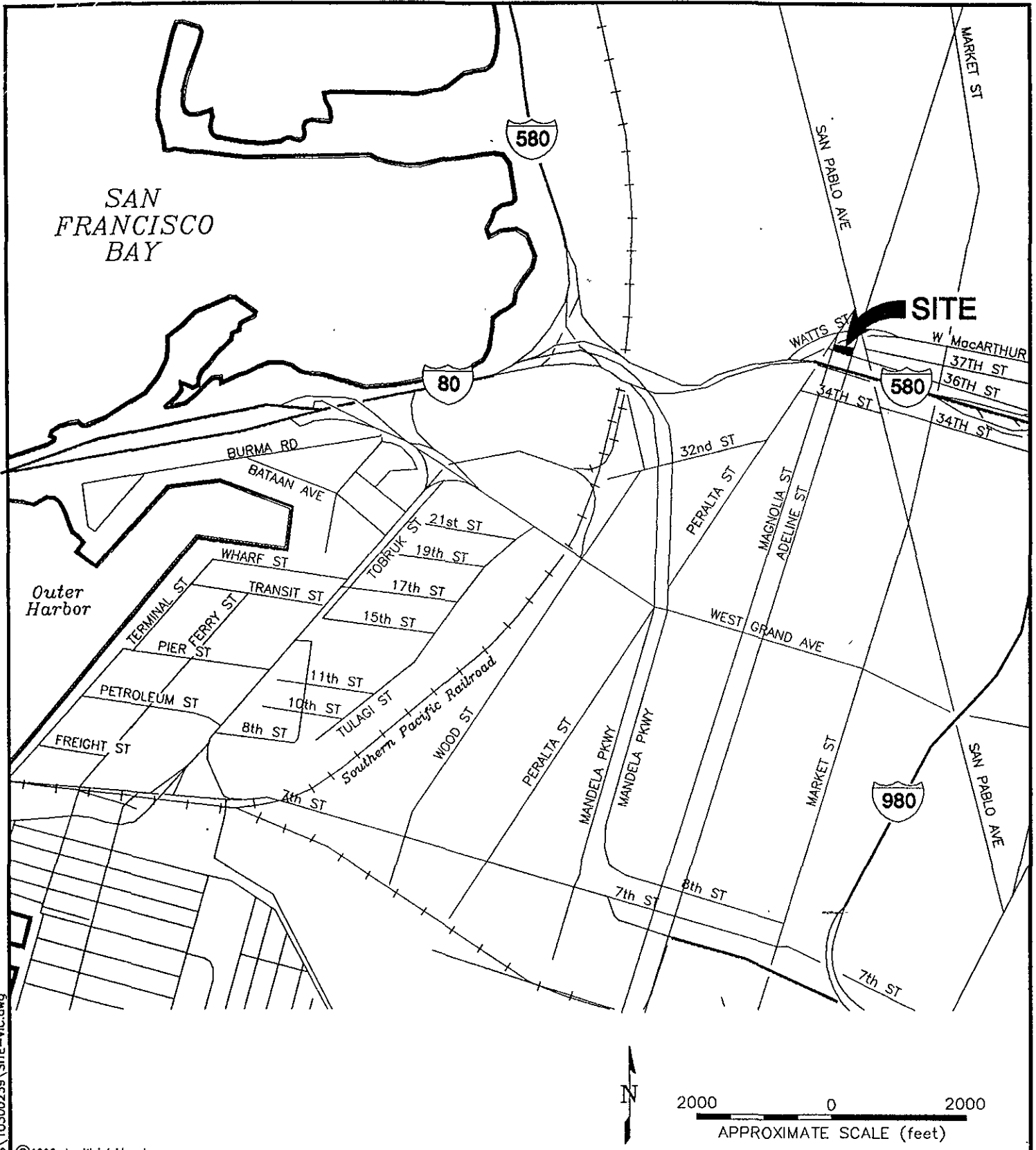
ft bgs feet below ground surface.
mg/L milligrams per liter ~ parts per million.
µg/L micrograms per liter ~ parts per billion.
-- not tested.
ND target analytes were not detected at or above the laboratory method reporting limit. See laboratory report for detection limits by analyte.
TPH total petroleum hydrocarbons quantified as noted below.
d = quantified as diesel
o = quantified as bunker oil oil
PAH's polynuclear aromatic hydrocarbons
g = quantified as gasoline
k = quantified as kerosene

NOTES


The above samples (excluding EW-1) are grab samples and were not sampled from monitoring wells .

No groundwater was recoverable from B-2.

The positive result appears to be a lighter hydrocarbon than diesel.



CAD FILE: D:\-KA_PROJ\PLEAS\10300239\SITE-VIC.dwg

 KLEINFELDER	SITE LOCATION MAP	PLATE FIGURE 1
	OWENS FINANCIAL 3623 ADELINE STREET EMERYVILLE, CALIFORNIA	PROJECT NO. 10-300239-001
DRAFTED BY: L. Sue	DATE: 1-10-96	
CHECKED BY: A. Gibbs	DATE: 1-24-96	

LEGEND

- FENCE
- ▣ SUPPORT BEAM
- ▭ UNDERGROUND STORAGE TANK EXCAVATION
- ⊕ MONITORING WELL (approximate)
- SOIL BORING (approximate)
- ↙ ASSUMED GROUNDWATER GRADIENT

mg/Kg MILLIGRAMS PER KILOGRAM

mg/L MILLIGRAMS PER LITER

NT NOT TESTED

ND NOT DETECTED

B-4	
SOIL (mg/Kg)	
Depth	TPH-d
5 ft	1.1
10 ft	ND
15 ft	1.9
GROUNDWATER (mg/L)	
ND	

B-2	
SOIL (mg/Kg)	
Depth	TPH-d
5 ft	NT
10 ft	NT
15 ft	ND
GROUNDWATER (mg/L)	
NO SAMPLE	

B-5	
SOIL (mg/Kg)	
Depth	TPH-d
5 ft	ND
10 ft	1.1
15 ft	3.2
GROUNDWATER (mg/L)	
0.49	

B-6	
SOIL (mg/Kg)	
Depth	TPH-d
5 ft	NT
10 ft	NT
15 ft	3.4
GROUNDWATER (mg/L)	
2.31	

MAXWELL STREET

SIDEWALK

INTERSTATE 550 RIGHT-OF-WAY

18TH STREET

SIDEWALK

ON-SITE STRUCTURES

B-3	
SOIL (mg/Kg)	
Depth	TPH-d
5 ft	NT
10 ft	NT
15 ft	1.4
GROUNDWATER (mg/L)	
0.28	

MW-1	
SOIL (mg/Kg)	
Depth	TPH-d
5 ft	ND
10 ft	29
15 ft	56
GROUNDWATER (mg/L)	
4.0	

B-1	
SOIL (mg/Kg)	
Depth	TPH-d
5 ft	ND
10 ft	1.1
15 ft	1.5
GROUNDWATER (mg/L)	
4.5	

MW-1
 #5 → 4900 ppm TPH-d
 81 ppb Benzene
 #6 → 21,800 ppm TPH-d
 225 ppb Benzene
 #7
 400 ppm TPH-diesel
 ND benzene
 #4
 400 ppm TPH-diesel
 ND benzene



30 0 30
 APPROXIMATE SCALE (feet)



KLEINFELDER

TOTAL PETROLEUM HYDROCARBONS AS DIESEL (TPH-D) IN SOIL AND GROUNDWATER

OWENS FINANCIAL
 3623 ADELIN STREET
 EMERYVILLE, CALIFORNIA

PLATE
 FIGURE

3

DRAFTED BY: L. Sue

DATE: 1-10-96

CHECKED BY: A. Gibbs

DATE: 1-29-96

PROJECT NO. 10-300239-001



Project Dwens Financial		Boring No. MW-1
Number 10-300239-001		
Total Depth 20.0 feet	Sheet 1 of 1	

LOG OF BORING

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	<input checked="" type="checkbox"/> P/B <input type="checkbox"/> F/B	OVA (ppm)	USCS	Description	Remarks	Well Construction
1		MODIFIED CAL.				NA	CH	CONCRETE		
2								CLAY - dark brown, moist, soft, high plasticity, trace very fine sand, with silt; ESTIMATE 99% fines, <5% sand		
3										
4										
5	MW1-5		8	100			SM	SILTY SAND; - greenish gray, moist, medium dense, very fine grained, well graded; estimate 45% fines, 55% sand		
6	MW1-6		34	100				increasing sand content with depth; estimate 30% fines, 70% sand		
7										
8										
9	MW1-9		20	100			CL	CLAY - greenish gray with dark green banding, moist, very stiff, low plasticity		
10	MW1-9.5									
11										
12										
13										
14										
15	MW1-15		23	100				interbedded fine sand at 14.5 ft. 11-14-95		
16									Boring completed to 16 ft on 11-14-95; boring redrilled on 12-6-95 to 25 ft.	
17										
18								plasticity increases to medium, trace angular, pea-sized gravel		
19										
20										
21										
22										
23										
24										
25										
26									Boring completed to 25 ft. as 6 in. ø well; no Christy box; left for completion as vaulted extraction well.	
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										

Designated Purpose(s) of Log
Site Characterization

Note: Logs are to be used only for designated purpose(s).

Logged by R. Conery/T. Davis	Date 12-6-95	Plate
Drafted by L. Sue	Date 1-12-96	
Reviewed by A. Gibbs	Date 1-24-96	

LOG OF BORING

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	<input checked="" type="checkbox"/> PID <input type="checkbox"/> FID OVA (ppm)	USCS	Description	Remarks	Well Construction
1		GEOPROBE	NA	NA	NA		CONCRETE		
2						CL	SILTY CLAY - brown, moist, soft, low plasticity, trace sand; estimate > 95% fines, >5% sand		
3									
4	B1-5			100		CL	CLAY - bluish gray, stiff, low plasticity; estimate >95% fines, >5% sand		
5									
6									
7									
8									
9	B1-10			100		CL	CLAY - bluish brown, stiff, medium soft, low plasticity, trace sand; estimate >95% fines, >5% sand		
10									
11									
12									
13									
14	B1-15			100		CL	CLAY - bluish gray, soft, medium plasticity; estimate 100% fines	slight odor	
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									

Designated Purpose(s) of Log
 Site Characterization

Logged by S.T. Davis	Date 12-6-95	Plate
Drafted by L. Sue	Date 1-12-96	
Reviewed by A. Gibbs	Date 1-24-96	

Note: Logs are to be used only for designated purpose(s).



Project Owens Financial		Boring No. B-2
Number 10-300239-001		
Total Depth 20.0 feet	Sheet 1 of 1	

LOG OF BORING

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm)		USCS	Description	Remarks	Well Construction
					<input checked="" type="checkbox"/> PID	<input type="checkbox"/> FD				
1	B2-15	GEOPROBE	NA				CL	ASPHALT and roadbase		
2								CLAY - bluish gray to 13 ft.		
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15								100		
16										
17										
18										
19										
20										
21							NFWE			
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										

Designated Purpose(s) of Log
Site Characterization

Note: Logs are to be used only for designated purpose(s).
©1996, by Kleinfelder, Inc.

Logged by R. Conery	Date 12-6-95	Plate
Drafted by L. Sue	Date 1-12-96	
Reviewed by A. Gibbs	Date 1-24-96	


LOG OF BORING

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm)		USCS	Description	Remarks	Well Construction									
					<input checked="" type="checkbox"/> PID	<input type="checkbox"/> FID													
1	B3-15	GEOPROBE	NA																
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																ML	SILTY CLAY - brown, moist, stiff, gravelly seams; estimate >95% fines, <5% sand, <5% gravel		
15													100			SC	CLAYEY SAND with GRAVEL - bluish gray, moist, stiff; estimate 35% fines, 55% sand, 10% gravel		
16																			
17																			
18																			
19																			
20																			
21																			
22																			
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33																			
34																			
35																			
36																			

Designated Purpose(s) of Log
 Site Characterization

Logged by R. Conery	Date 12-6-95	Plate
Drafted by L. Sue	Date 1-12-96	
Reviewed by A. Gibbs	Date 1-24-96	










LOG OF BORING

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) <input checked="" type="checkbox"/> PD <input type="checkbox"/> FD	USCS	Description	Remarks	Well Construction
1		GEOPROBE	NA				CONCRETE		
2							fill	FILL - SILTY CLAY - brown, moist, soft, with fine sand	
3							CL	CLAY - bluish gray, moist, soft to medium stiff, medium plasticity, black speckling, trace gravel; estimate >95% fines, <5% sand, <5% gravel	
4	B4-5				100		ML	SILT - yellowish brown, with rust red mottling, moist, stiff, very low plasticity, trace very fine sand, trace gravel; estimate >95% fines, <5% sand, <5% gravel	
5									
6									
7									
8									
9	B4-10				100			at 9 ft., color changes to bluish gray; interbedded gravels	
10									
11									
12								at 12 ft., color change to brown	
13								at 13 ft., increasing plasticity, increasing softness, increasing moisture	
14	B4-15				100				
15									
16							12-6-95 		
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									

Designated Purpose(s) of Log
 Site Characterization

Logged by R. Conery	Date 12-6-95	Plate
Drafted by L. Sue	Date 1-12-96	
Reviewed by A. Gibbs	Date 1-24-96	

LOG OF BORING

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm)		USCS	Description	Remarks	Well Construction
					<input checked="" type="checkbox"/> PID	<input type="checkbox"/> FID				
1	B5-5	GEOPROBE	NA	100			fill	CLAY with SILT and SAND - moist, soft, organic particles (planter fill)		A
2										
3										
4	B5-10	GEOPROBE	NA	100			CL	SILTY CLAY - brown, with black speckling, moist, soft, medium plasticity, cemented nodules; estimate >95% fines, <5% sand		A
5										
6										
7	B5-15	GEOPROBE	NA	100			SC	SAND - blue gray, wet, soft, fine grained, with trace angular gravel; estimate 25% fines, 75% sand, <5% gravel to 0.25 in.	at 7 ft, intrbedded angular gravel, approximately 6-in. thick	A
8										
9										
10	B5-15	GEOPROBE	NA	100			SC	SAND - blue gray, wet, soft, fine grained, with trace angular gravel; estimate 25% fines, 75% sand, <5% gravel to 0.25 in.	12-6-95 	A
11										
12										
13	B5-15	GEOPROBE	NA	100			SC	SAND - blue gray, wet, soft, fine grained, with trace angular gravel; estimate 25% fines, 75% sand, <5% gravel to 0.25 in.	12-6-95 	A
14										
15										
16	B5-15	GEOPROBE	NA	100			SC	SAND - blue gray, wet, soft, fine grained, with trace angular gravel; estimate 25% fines, 75% sand, <5% gravel to 0.25 in.	12-6-95 	A
17										
18										
19	B5-15	GEOPROBE	NA	100			SC	SAND - blue gray, wet, soft, fine grained, with trace angular gravel; estimate 25% fines, 75% sand, <5% gravel to 0.25 in.	12-6-95 	A
20										
21										
22	B5-15	GEOPROBE	NA	100			SC	SAND - blue gray, wet, soft, fine grained, with trace angular gravel; estimate 25% fines, 75% sand, <5% gravel to 0.25 in.	12-6-95 	A
23										
24										
25	B5-15	GEOPROBE	NA	100			SC	SAND - blue gray, wet, soft, fine grained, with trace angular gravel; estimate 25% fines, 75% sand, <5% gravel to 0.25 in.	12-6-95 	A
26										
27										
28	B5-15	GEOPROBE	NA	100			SC	SAND - blue gray, wet, soft, fine grained, with trace angular gravel; estimate 25% fines, 75% sand, <5% gravel to 0.25 in.	12-6-95 	A
29										
30										
31	B5-15	GEOPROBE	NA	100			SC	SAND - blue gray, wet, soft, fine grained, with trace angular gravel; estimate 25% fines, 75% sand, <5% gravel to 0.25 in.	12-6-95 	A
32										
33										
34	B5-15	GEOPROBE	NA	100			SC	SAND - blue gray, wet, soft, fine grained, with trace angular gravel; estimate 25% fines, 75% sand, <5% gravel to 0.25 in.	12-6-95 	A
35										
36										

Designated Purpose(s) of Log
Site Characterization

Logged by R. Conery	Date 12-6-95	Plate
Drafted by L. Sue	Date 1-12-96	
Reviewed by A. Gibbs	Date 1-24-96	



Project Owens Financial		Boring No. B-8
Number 10-300239-001		
Total Depth 20.0 feet	Sheet 1 of 1	

LOG OF BORING

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	<input checked="" type="checkbox"/> PID <input type="checkbox"/> FID	OVA (ppm)	USCS	Description	Remarks	Well Construction
1		GEOPROBE	NA					CONCRETE		
2							fill	BASE FILL		
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14	B6-15			100			CH	CLAY with SILT - bluish gray, moist, soft, medium to high plasticity, rust red streaks, black specks, trace very fine sand, trace gravel; estimate >95% fines, <5% sand, <5% gravel		
15										
16										
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36										

Designated Purpose(s) of Log

Site Characterization

Note: Logs are to be used only for designated purpose(s).

Logged by

R. Conery

Date

12-6-95

Plate

Drafted by

L. Sue

Date

1-12-96

Reviewed by

A. Gibbs

Date

1-24-96