

MICROSEARCH ENVIRONMENTAL CORPORATION

COPY
ENVIRONMENTAL
PROTECTION
96 APR -2 PM 12:09

318 Harrison Street • Suite 1A • Oakland, California 94607 • Fax: 510.452.5510 • 510.452.5500

MARCH 19, 1996

Mr. Jim Owens
Alameda Lock and Glass
2301 Encinal Ave.
Alameda, CA 94501

Subject: Subsurface soil sampling and analysis.

Dear Mr. Owens

MicroSearch Environmental Corporation has completed a subsurface soil analysis of your property located at 2301 Encinal Avenue, Alameda, CA. Attached are the soil analysis resulting from our investigation.

Two soil borings and five soil analysis were performed. The soil boring sampling planned for boring SB001 was discontinued at 4 feet beneath the ground surface (bgs) due to contact with an impenetrable soil. The soil analysis of this boring yield the highest concentrations of petroleum constituents (approx. 1,800 parts per billion (ppb)). Please note that none of the soil concentrations exceed the maximum contaminant levels (MCLs) as determined by the California Department of Health Services (CDHS).

Should you have any questions concerning this analysis, please feel free to call me at (510) 452-5500

Sincerely,
MicroSearch Environmental Corp.

Ronald E. Brown
President

1,000 GALLON
TANK

⊗ SB002 1'
SB003 2'
SB004 3'
SB005 6'

*Saint
being*

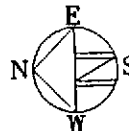
500 GAL
TANK

⊗ SB001
*2
4*

500 GAL
TANK

ALAMEDA KEY & LOCK
2301 ENCINAL AVE.

ENCINAL AVENUE

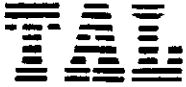


MSE
MICROSEARCH
ENVIRONMENTAL
CORPORATION

318 HARRISON
SUITE 1A
OAKLAND CA
94607
PHONE:
(510)452-5500
FAX:
(510)452-5510

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960
Facsimile (510) 783-1512

LOG NUMBER: 6245
 DATE SAMPLED: 03/07/96
 DATE RECEIVED: 03/08/96
 DATE EXTRACTED: 03/18/96
 DATE ANALYZED: 03/19/96
 DATE REPORTED: 03/19/96

CUSTOMER: MicroSearch Environmental
 REQUESTER: Ron Brown
 PROJECT: No. 5046

Sample Type: Soil

Method and Constituent:	Units	A001		A002		A003	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
DHS Method:							
Total Petroleum Hydro- carbons as Gasoline	ug/kg	1,800	500	ND	500	ND	500
EPA Method 8020 for:							
Methyl t-Butyl Ether	ug/kg	ND	50	ND	50	ND	50
Benzene	ug/kg	ND	5.0	ND	5.0	ND	5.0
Toluene	ug/kg	ND	5.0	ND	5.0	ND	5.0
Ethylbenzene	ug/kg	ND	5.0	ND	5.0	ND	5.0
Xylenes	ug/kg	56	15	ND	15	ND	15

Concentrations reported as ND were not detected at or above the reporting limit.

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 PAGE: Two


Sample Type: Soil

Method and Constituent:	Units	A004		A005		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
DHS Method:							
Total Petroleum Hydro- carbons as Gasoline	ug/kg	ND	500	ND	500	ND	500
EPA Method 8020 for:							
Methyl t-Butyl Ether	ug/kg	ND	50	ND	50	ND	50
Benzene	ug/kg	ND	5.0	ND	5.0	ND	5.0
Toluene	ug/kg	ND	5.0	ND	5.0	ND	5.0
Ethylbenzene	ug/kg	ND	5.0	ND	5.0	ND	5.0
Xylenes	ug/kg	ND	15	ND	15	ND	15

QC Summary:

% Recovery: 90
 % RPD: 0.20

Concentrations reported as ND were not detected at or above the reporting limit.



Louis W. DuPuis
 Quality Assurance/Quality Control Manager



CHAIN OF CUSTODY RECORD

MicroSearch Environmental
318 Harrison Street, Suite 1A
Oakland, CA 94607

(510) 452-5500
Fax: (510) 452-5510

6245

Page 1 of 1

SHIP TO: TRACE ANALYSIS LABORATORY, INC
3425 INVESTMENT BLVD. # 8
HEYWARD CA 94545

ATTENTION LAB DIRECTOR (Louis Dupuis) PHONE (510) 783-6960 FAX (510) 783-1512

Project Number 5946		Project Name				Project Manager Ron Brown													
Sampler <i>(Signature)</i> CHRISTOPHER JENKINS		Field Team Leader																	
SAMPLE NUMBER	DATE	TIME ON	TIME OFF	TOTAL TIME	AIR VOLUME	SAMPLE INFORMATION	LOCATION FROM	NUMER OF CONTAINERS	P	C	T	E	M	REMARKS					
A001	3/7/96					SANDY SOIL	Alameda B-1	1											
A002	3/7/96					SANDY SOIL	Alameda B-2	1											
A003	3/7/96					SANDY SOIL	Alameda B-2	1											
A004	3/7/96					SANDY SOIL	Alameda B-2	1											
A005	3/7/96					SANDY SOIL	Alameda B-2	1											
COMMENTS: <u>Test for TPH as Gasoline and BTEX (5 day) burn around.</u> <u>It's sandy soil that's light brown & red</u>																			
Relinquished by: <i>(Signature)</i> Christopher Jenkins		Signature <i>(Signature)</i>		Date/Time 3/7/96		Received by: Trace Lab		Signature <i>(Signature)</i>		Date/Time 3/8/96		Ship Via: 5PM							
Relinquished by:		Signature		Date/Time		Received by:		Signature		Date/Time									
Relinquished by:		Signature		Date/Time		Received by:		Signature		Date/Time		Shipper No.							

with had in, soil, 1-BTEX, Y-2 ref. 20









Received: 03/19/96 16:36 #3 TRACE ANALYSIS #5107831512



ALAMEDA LOCK & GALSS

Sample No.	Sample Depth (ft)	In. Driv./Rec.	Sampler Type	% Gravel	% Sand	% Silt/Clay	Temp. (°F)	Blows/6"	Elevation/Location			MATERIAL DESCRIPTION
									Depth (ft)	Sampler	Class code	
A001	2.5	30/	Auger		90		4			AS SP		Top 0.5 feet asphalt Sandy soil, Fuel Smelling

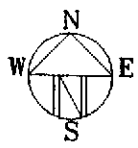
Auger Split Spoon	PROJECT <u>Alameda Lock & Glass</u> LOCATION <u>2301 Encinal, Alameda</u> JOB NUMBER <u>5049</u> GEOLOGIST <u>Ronald Brown</u> DRILL RIG <u>N/A</u>	DRILL COMPANY <u>N/A</u> DATE DRILLED <u>3-7-96</u> SURFACE ELEVATION <u>9.2 feet</u> TOTAL DEPTH OF HOLE <u>4 feet</u> WATER LEVEL <u>6 feet</u>	
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ALAMEDA LOCK & GALSS

Elevation/Location													
Comple No	Sample Depth (ft)	In. Driv./Pec	Sampler Type	% Gravel	% Sand	% Silt/Clay	Temp. (°F)	Blows/6"	Depth (ft)	Sampler	Class code	Symbols	MATERIAL DESCRIPTION
A002	1	12/	Auger		90		4		1		AS SP		Top 0.5 feet asphalt
A003	2	24/	Auger		90		4		2				Sandy soil
A004	3	36/	Auger		90		4		3				Sandy soil
A005	6	72/	Auger		90		4		4				Sandy soil, Light Brown
									5				Sandy soil, Red Soil
									6				
									7				
									8				
									9				
									10				

 Auger  Split Spoon	PROJECT <u>Alameda Lock & Glass</u> LOCATION <u>2301 Encinal, Alameda</u> JOB NUMBER <u>5049</u> GEOLOGIST <u>Ronald Brown</u> DRILL RIG <u>N/A</u>	DRILL COMPANY <u>N/A</u> DATE DRILLED <u>3-7-96</u> SURFACE ELEVATION <u>9.2 feet</u> TOTAL DEPTH OF HOLE <u>7 feet</u> WATER LEVEL <u>6 feet</u>
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DRAWN BY: <u>Dung Lu</u>	DATE: <u>3-21-96</u>	PAGE: <u>2 OF 2</u>
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 MSE MICROSEARCH ENVIRONMENTAL CORPORATION	318 HARRISON SUITE 1A OAKLAND CA 94607 PHONE: (510)452-5500 FAX: (510)452-5510
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ALAMEDA COUNTY HEALTH AGENCY
CARE SERVICES

Lawrence Seto
Senior Hazardous Materials Specialist



DIVISION OF ENVIRONMENTAL PROTECTION
DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway, 2nd Floor, Alameda, CA 94502
(510) 567-6700 • Fax (510) 337-9432

