

# COPY

NINE HUNDRED DOOLITTLE ASSOCIATES  
900 Doolittle Drive, Unit 1B  
San Leandro, CA 94577  
(415) 893-6998

*Bay Co. Properties*

April 17, 1991

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

CALIFORNIA REGIONAL WATER

APR 22 1991 *JK*

QUALITY CONTROL BOARD

Attention: Rafat A. Shahid & Larry Seto

Subject: 900 Doolittle Drive, San Leandro, CA 94577

Gentlemen:

Attached are reports from Trace Analysis Laboratory in Hayward indicating the results of their analyses of samples taken by K & B Environmental, (formerly Chips Environmental Consultants) on March 18, 1991 from the five wells existing on our property at the above address. Attached also are copies of the Chain of Custody Field Report which includes Log Book entries. *File*

These are the quarterly reports required from us.

You will note that the tests taken conform to those requested by you in your January 24, 1990 letter to us.

We have updated in ink the original maps from Applied Geosciences, Inc. showing not only their tests for TCE, etc. in the wells, but the results of all tests of that type to date.

Very truly yours

*Joseph Zatin*  
Joseph Zatin  
General Partner

cc: State Regional Water Quality Control Board  
Applied Geosciences, Inc.  
Bay County Properties



April 11, 1991

Joe Zatkan  
900 Doolittle Dr., No.1B  
San Leandro, CA 94577

Dear Mr. Zatkan:

Trace Analysis Laboratory received five water samples on March 18, 1991, for your Project 900 Doolittle Drive (our custody Log. Number 9678).

These samples were analyzed for the tests as specified on your chain of custody. Our analytical report and a copy of the completed chain of custody form are enclosed for your review.

Trace Analysis Laboratory is certified under the California Environmental Laboratory Accreditation Program. Our certification number is 1199.

If you should have any questions or require additional information, please call me.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Gerald H. Nieder-Westermann', written over a horizontal line.

Gerald H. Nieder-Westermann  
Project Specialist

GNW:gnw

Enclosures

**Trace Analysis Laboratory, Inc.**

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (415) 783-6960  
Facsimile (415) 783-1512



LOG NO.: 9678  
DATE SAMPLED: 3/18/91  
DATE RECEIVED: 3/18/91  
DATE EXTRACTED: 3/21/91  
DATE ANALYZED: 3/29/91  
DATE REPORTED: 4/11/91

REQUESTER: Joseph Zatkan  
PROJECT: 900 Doolittle Drive

Sample Type: Water

<u>Method and Constituent</u>	<u>Units</u>	<u>DLT-1</u>		<u>DLT-3</u>		<u>Method Blank</u>	
		<u>Concen- tration</u>	<u>Reporting Limit</u>	<u>Concen- tration</u>	<u>Reporting Limit</u>	<u>Concen- tration</u>	<u>Reporting Limit</u>
DHS Method: Total Petroleum Hydro- carbons as Diesel	ug/l	ND	50	ND	50	ND	50

QC Summary:

% Recovery: 113  
% RPD: 1.8

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



LOG NO.: 9678  
DATE SAMPLED: 3/18/91  
DATE RECEIVED: 3/18/91  
DATE ANALYZED: 3/26/91  
DATE REPORTED: 4/11/91  
PAGE: Two

Sample Type: Water

<u>Method and Constituent</u>	<u>Units</u>	<u>DLT-2</u>		<u>Method Blank</u>	
		<u>Concen- tration</u>	<u>Reporting Limit</u>	<u>Concen- tration</u>	<u>Reporting Limit</u>
DHS Method:					
Total Petroleum Hydro- carbons as Gasoline	ug/l	ND	50	ND	50
Modified EPA Method 8020:					
Benzene	ug/l	3.3	0.5	ND	0.5
Toluene	ug/l	ND	0.5	ND	0.5
Xylenes	ug/l	ND	2	ND	2
Ethylbenzene	ug/l	ND	0.5	ND	0.5

QC Summary:

% Recovery: 81  
% RPD: 1.2

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



LOG NO.: 9678  
 DATE SAMPLED: 3/18/91  
 DATE RECEIVED: 3/18/91  
 DATE EXTRACTED: 3/29/91  
 DATE ANALYZED: 4/01/91  
 DATE REPORTED: 4/11/91  
 PAGE: Three

Sample Type: Water

Method and Constituent	Units	DLT-1		DLT-3		DLT-4	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
Standard Method 5520F, Hydrocarbons:							
Oil and Grease	ug/l	ND	1,000	ND	1,000	ND	1,000

Method and Constituent	Units	Method Blank	
		Concentration	Reporting Limit
Standard Method 5520F, Hydrocarbons:			
Oil and Grease	ug/l	ND	1,000

QC Summary:

% Recovery: 75  
 % RPD: 6.8

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

LOG NO.: 9678  
 DATE SAMPLED: 3/18/91  
 DATE RECEIVED: 3/18/91  
 DATE ANALYZED: 3/22/91  
 DATE REPORTED: 4/11/91  
 PAGE: Four

Sample Type: Water

Method and Constituent	Units	DLT-1		DLT-2		DLT-3	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8010:							
Benzyl Chloride	ug/l	ND	0.5	ND	0.5	ND	0.5
Bis (2-Chloroethoxy) Methane	ug/l	ND	0.5	ND	0.5	ND	0.5
Bis (2-Chloroisopropyl) Ether	ug/l	ND	0.5	ND	0.5	ND	0.5
Bromobenzene	ug/l	ND	0.5	ND	0.5	ND	0.5
Bromodichloromethane	ug/l	ND	0.5	ND	0.5	ND	0.5
Bromoform	ug/l	ND	0.5	ND	0.5	ND	0.5
Bromomethane	ug/l	ND	0.5	ND	0.5	ND	0.5
Carbon Tetrachloride	ug/l	ND	0.5	ND	0.5	ND	0.5
Chloroacetaldehyde	ug/l	ND	0.5	ND	0.5	ND	0.5
Chloral	ug/l	ND	0.5	ND	0.5	ND	0.5
Chlorobenzene	ug/l	ND	0.5	ND	0.5	ND	0.5
Chloroethane	ug/l	ND	0.5	ND	0.5	ND	0.5
Chloroform	ug/l	ND	0.5	ND	0.5	ND	0.5
1-Chlorohexane	ug/l	ND	0.5	ND	0.5	ND	0.5
2-Chloroethyl Vinyl Ether	ug/l	ND	0.5	ND	0.5	ND	0.5
Chloromethane	ug/l	ND	0.5	ND	0.5	ND	0.5
Chloromethyl Methyl Ether	ug/l	ND	0.5	ND	0.5	ND	0.5
Chlorotoluene	ug/l	ND	0.5	ND	0.5	ND	0.5
Dibromochloromethane	ug/l	ND	0.5	ND	0.5	ND	0.5
Dibromomethane	ug/l	ND	0.5	ND	0.5	ND	0.5

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



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 DATE REPORTED: 4/11/91  
 PAGE: Seven

Sample Type: Water

Method and Constituent	Units	DLT-4		DLT-5		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8010 (Continued):							
1,2-Dichlorobenzene	ug/l	ND	0.5	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ug/l	ND	0.5	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ug/l	ND	0.5	ND	0.5	ND	0.5
Dichlorodifluoromethane	ug/l	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethane	ug/l	ND	0.5	ND	0.5	ND	0.5
1,2-Dichloroethane	ug/l	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethylene	ug/l	ND	0.5	ND	0.5	ND	0.5
Trans-1,2-Dichloro- ethylene	ug/l	ND	0.5	ND	0.5	ND	0.5
Dichloromethane	ug/l	ND	0.5	2.7	0.5	ND	0.5
1,2-Dichloropropane	ug/l	ND	0.5	ND	0.5	ND	0.5
1,3-Dichloropropylene	ug/l	ND	0.5	ND	0.5	ND	0.5
1,1,2,2-Tetrachloro- ethane	ug/l	ND	0.5	ND	0.5	ND	0.5
1,1,1,2-Tetrachloro- ethane	ug/l	ND	0.5	ND	0.5	ND	0.5
Tetrachloroethylene	ug/l	ND	0.5	ND	0.5	ND	0.5
1,1,1-Trichloroethane	ug/l	ND	0.5	ND	0.5	ND	0.5
1,1,2-Trichloroethane	ug/l	ND	0.5	ND	0.5	ND	0.5
Trichloroethylene	ug/l	47	0.5	27	0.5	ND	0.5
Trichlorofluoro- methane	ug/l	ND	0.5	ND	0.5	ND	0.5
Trichloropropane	ug/l	ND	0.5	ND	0.5	ND	0.5
Vinyl Chloride	ug/l	ND	0.5	ND	0.5	ND	0.5

QC Summary:

% Recovery: 104  
 % RPD: 6.7

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

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 DATE ANALYZED: 3/22/91  
 DATE REPORTED: 4/11/91  
 PAGE: Five

Sample Type: Water

Method and Constituent	Units	DLT-1		DLT-2		DLT-3	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8010 (Continued):							
1,2-Dichlorobenzene	ug/l	ND	0.5	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ug/l	ND	0.5	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ug/l	ND	0.5	ND	0.5	ND	0.5
Dichlorodifluoromethane	ug/l	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethane	ug/l	ND	0.5	1.7	0.5	ND	0.5
1,2-Dichloroethane	ug/l	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethylene	ug/l	ND	0.5	ND	0.5	ND	0.5
Trans-1,2-Dichloro- ethylene	ug/l	ND	0.5	ND	0.5	ND	0.5
Dichloromethane	ug/l	1.9	0.5	ND	0.5	2.9	0.5
1,2-Dichloropropane	ug/l	ND	0.5	ND	0.5	ND	0.5
1,3-Dichloropropylene	ug/l	ND	0.5	ND	0.5	ND	0.5
1,1,2,2-Tetrachloro- ethane	ug/l	ND	0.5	ND	0.5	ND	0.5
1,1,1,2-Tetrachloro- ethane	ug/l	ND	0.5	ND	0.5	ND	0.5
Tetrachloroethylene	ug/l	ND	0.5	ND	0.5	ND	0.5
1,1,1-Trichloroethane	ug/l	ND	0.5	ND	0.5	ND	0.5
1,1,2-Trichloroethane	ug/l	ND	0.5	ND	0.5	ND	0.5
Trichloroethylene	ug/l	3.4	0.5	16	0.5	300	0.5
Trichlorofluoro- methane	ug/l	ND	0.5	ND	0.5	ND	0.5
Trichloropropane	ug/l	ND	0.5	ND	0.5	ND	0.5
Vinyl Chloride	ug/l	ND	0.5	2.3	0.5	ND	0.5

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





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DATE REPORTED: 4/11/91  
PAGE: Six

Sample Type: Water

Method and Constituent	Units	DLT-4		DLT-5		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8010:							
Benzyl Chloride	ug/l	ND	0.5	ND	0.5	ND	0.5
Bis (2-Chloroethoxy) Methane	ug/l	ND	0.5	ND	0.5	ND	0.5
Bis (2-Chloroisopropyl) Ether	ug/l	ND	0.5	ND	0.5	ND	0.5
Bromobenzene	ug/l	ND	0.5	ND	0.5	ND	0.5
Bromodichloromethane	ug/l	ND	0.5	ND	0.5	ND	0.5
Bromoform	ug/l	ND	0.5	ND	0.5	ND	0.5
Bromomethane	ug/l	ND	0.5	ND	0.5	ND	0.5
Carbon Tetrachloride	ug/l	ND	0.5	ND	0.5	ND	0.5
Chloroacetaldehyde	ug/l	ND	0.5	ND	0.5	ND	0.5
Chloral	ug/l	ND	0.5	ND	0.5	ND	0.5
Chlorobenzene	ug/l	ND	0.5	ND	0.5	ND	0.5
Chloroethane	ug/l	ND	0.5	ND	0.5	ND	0.5
Chloroform	ug/l	ND	0.5	ND	0.5	ND	0.5
1-Chlorohexane	ug/l	ND	0.5	ND	0.5	ND	0.5
2-Chloroethyl Vinyl Ether	ug/l	ND	0.5	ND	0.5	ND	0.5
Chloromethane	ug/l	ND	0.5	ND	0.5	ND	0.5
Chloromethyl Methyl Ether	ug/l	ND	0.5	ND	0.5	ND	0.5
Chlorotoluene	ug/l	ND	0.5	ND	0.5	ND	0.5
Dibromochloromethane	ug/l	ND	0.5	ND	0.5	ND	0.5
Dibromomethane	ug/l	ND	0.5	ND	0.5	ND	0.5

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



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DATE SAMPLED: 3/18/91  
DATE RECEIVED: 3/18/91  
DATE EXTRACTED: 3/26/91  
DATE ANALYZED: 4/05/91  
DATE REPORTED: 4/11/91  
PAGE: Eight

Sample Type: Water

Method and Constituent:	Units	DLT-2		Method Blank		QC-Summary	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	% Recovery	% RPD
EPA Method 7520:							
Nickel	ug/l	ND	300	ND	300	74	1.0

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



LOG NO.: 9678  
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 DATE RECEIVED: 3/18/91  
 DATE EXTRACTED: 3/26/91  
 DATE ANALYZED: 4/03/91  
 DATE REPORTED: 4/11/91  
 PAGE: Nine

Sample Type: Water

Method and Constituent:	Units	DLT-1		Method Blank		QC-Summary	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	% Recovery	% RPD
EPA Method 7950:							
Zinc	ug/l	ND	50	ND	50	84	1.2

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

\_\_\_\_\_  
 Louis W. DuPuis  
 Quality Assurance/Quality Control Manager