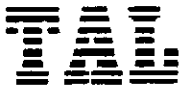


Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

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



August 2, 1991

Joseph Zatzkin
900 Doolittle Dr., No. 1B
San Leandro, CA 94577

Dear Mr. Zatzkin:

Trace Analysis Laboratory received five water samples on July 11, 1991, for your Project No. QU301-791 900 Doolittle Drive, San Leandro (our custody Log Number 1100).

These samples were analyzed for Total Petroleum Hydrocarbons as Diesel, Gasoline, Benzene, Toluene, Xylenes, Ethylbenzene, Oil and Grease, Zinc, and Nickel. Our analytical report and a copy of the completed chain of custody form are enclosed for your review.

*where are the
VOCs
analysis.*

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 cursive script, appearing to read 'Jennifer Peko'.

Jennifer Peko
Project Specialist

Enclosures

LOG NO.: 1100
 DATE SAMPLED: 7/11/91
 DATE RECEIVED: 7/11/91
 DATE EXTRACTED: 7/23/91
 DATE ANALYZED: 7/24/91
 DATE REPORTED: 8/02/91

REQUESTER: Joseph Zatkan
 PROJECT: QU301-791, 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 Hydrocarbons as Diesel	ug/l	4,900	50	180	50	ND	50

QC Summary:

% Recovery: 79
 % RPD: 0.0

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

LOG NO.: 1100
 DATE SAMPLED: 7/11/91
 DATE RECEIVED: 7/11/91
 DATE ANALYZED: 7/12/91
 DATE REPORTED: 8/02/91
 PAGE: Two

Sample Type: Water

<u>Method and Constituent</u>	<u>Units</u>	<u>DLT-2</u>		<u>Method Blank</u>	
		<u>Concentration</u>	<u>Reporting Limit</u>	<u>Concentration</u>	<u>Reporting Limit</u>
DHS Method:					
Total Petroleum Hydrocarbons as Gasoline	ug/l	ND	50	ND	50
Modified EPA Method 8020:					
Benzene	ug/l	6.5	0.50	ND	0.50
Toluene	ug/l	ND	0.50	ND	0.50
Xylenes	ug/l	ND	1.5	ND	1.5
Ethylbenzene	ug/l	ND	0.50	ND	0.50

QC Summary:

% Recovery: 65
 % RPD: 9.2

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



LOG NO.: 1100
 DATE SAMPLED: 7/11/91
 DATE RECEIVED: 7/11/91
 DATE EXTRACTED: 7/12/91
 DATE ANALYZED: 7/20/91
 DATE REPORTED: 8/02/91
 PAGE: Three

Sample Type: Water

<u>Method and Constituent</u>	<u>Units</u>	<u>DLT-1</u>		<u>DLT-3</u>		<u>DLT-4</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>
Standard Method 5520F, Hydrocarbons:							
Oil and Grease	ug/l	ND	1,000	ND	1,000	ND	1,000

<u>Method and Constituent</u>	<u>Units</u>	<u>Method Blank</u>	
		<u>Concen- tration</u>	<u>Reporting Limit</u>
Standard Method 5520F, Hydrocarbons:			
Oil and Grease	ug/l	ND	1,000

QC Summary:

% Recovery: 86
 % RPD: 7.8

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

LOG NO.: 1100
 DATE SAMPLED: 7/11/91
 DATE RECEIVED: 7/11/91
 DATE ANALYZED: 7/25/91
 DATE REPORTED: 8/02/91
 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	1.2	ND	1.2	ND	1.2
Bis (2-Chloroethoxy) Methane	ug/l	ND	1.2	ND	1.2	ND	1.2
Bis (2-Chloroisopropyl) Ether	ug/l	ND	1.2	ND	1.2	ND	1.2
Bromobenzene	ug/l	ND	1.2	ND	1.2	ND	1.2
Bromodichloromethane	ug/l	ND	1.2	ND	1.2	ND	1.2
Bromoform	ug/l	ND	1.2	ND	1.2	ND	1.2
Bromomethane	ug/l	ND	1.2	ND	1.2	ND	1.2
Carbon Tetrachloride	ug/l	ND	1.2	ND	1.2	ND	1.2
Chloroacetaldehyde	ug/l	ND	1.2	ND	1.2	ND	1.2
Chloral	ug/l	ND	1.2	ND	1.2	ND	1.2
Chlorobenzene	ug/l	ND	1.2	ND	1.2	ND	1.2
Chloroethane	ug/l	ND	1.2	ND	1.2	ND	1.2
Chloroform	ug/l	ND	1.2	ND	1.2	ND	1.2
1-Chlorohexane	ug/l	ND	1.2	ND	1.2	ND	1.2
2-Chloroethyl Vinyl Ether	ug/l	ND	1.2	ND	1.2	ND	1.2
Chloromethane	ug/l	ND	1.2	ND	1.2	ND	1.2
Chloromethyl Methyl Ether	ug/l	ND	1.2	ND	1.2	ND	1.2
Chlorotoluene	ug/l	ND	1.2	ND	1.2	ND	1.2
Dibromochloromethane	ug/l	ND	1.2	ND	1.2	ND	1.2
Dibromomethane	ug/l	ND	1.2	ND	1.2	ND	1.2

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



LOG NO.: 1100
 DATE SAMPLED: 7/11/91
 DATE RECEIVED: 7/11/91
 DATE ANALYZED: 7/25/91
 DATE REPORTED: 8/02/91
 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	1.2	ND	1.2	ND	1.2
1,3-Dichlorobenzene	ug/l	ND	1.2	ND	1.2	ND	1.2
1,4-Dichlorobenzene	ug/l	ND	1.2	ND	1.2	ND	1.2
Dichlorodifluoromethane	ug/l	ND	1.2	ND	1.2	ND	1.2
1,1-Dichloroethane	ug/l	ND	1.2	ND	1.2	ND	1.2
1,2-Dichloroethane	ug/l	ND	1.2	ND	1.2	ND	1.2
1,1-Dichloroethylene	ug/l	ND	1.2	ND	1.2	ND	1.2
Trans-1,2-Dichloro- ethylene	ug/l	ND	1.2	ND	1.2	ND	1.2
Dichloromethane	ug/l	ND	7.3	ND	7.3	ND	7.3
1,2-Dichloropropane	ug/l	ND	1.2	ND	1.2	ND	1.2
1,3-Dichloropropylene	ug/l	ND	1.2	ND	1.2	ND	1.2
1,1,2,2-Tetrachloro- ethane	ug/l	ND	1.2	ND	1.2	ND	1.2
1,1,1,2-Tetrachloro- ethane	ug/l	ND	1.2	ND	1.2	ND	1.2
Tetrachloroethylene	ug/l	ND	1.2	ND	1.2	ND	1.2
1,1,1-Trichloroethane	ug/l	ND	1.2	ND	1.2	ND	1.2
1,1,2-Trichloroethane	ug/l	ND	1.2	ND	1.2	ND	1.2
Trichloroethylene	ug/l	ND	1.2	20	1.2	320	1.2
Trichlorofluoro- methane	ug/l	ND	1.2	ND	1.2	ND	1.2
Trichloropropane	ug/l	ND	1.2	ND	1.2	ND	1.2
Vinyl Chloride	ug/l	ND	3.8	21	3.8	ND	3.8

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

LOG NO.: 1100
 DATE SAMPLED: 7/11/91
 DATE RECEIVED: 7/11/91
 DATE ANALYZED: 7/25/91
 DATE REPORTED: 8/02/91
 PAGE: Six

Sample Type: Water

Method and Constituent	Units	DLT-4		DLT-5		Method Blank	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
EPA Method 8010:							
Benzyl Chloride	ug/l	ND	1.2	ND	1.2	ND	1.2
Bis (2-Chloroethoxy) Methane	ug/l	ND	1.2	ND	1.2	ND	1.2
Bis (2-Chloroisopropyl) Ether	ug/l	ND	1.2	ND	1.2	ND	1.2
Bromobenzene	ug/l	ND	1.2	ND	1.2	ND	1.2
Bromodichloromethane	ug/l	ND	1.2	ND	1.2	ND	1.2
Bromoform	ug/l	ND	1.2	ND	1.2	ND	1.2
Bromomethane	ug/l	ND	1.2	ND	1.2	ND	1.2
Carbon Tetrachloride	ug/l	ND	1.2	ND	1.2	ND	1.2
Chloroacetaldehyde	ug/l	ND	1.2	ND	1.2	ND	1.2
Chloral	ug/l	ND	1.2	ND	1.2	ND	1.2
Chlorobenzene	ug/l	ND	1.2	ND	1.2	ND	1.2
Chloroethane	ug/l	ND	1.2	ND	1.2	ND	1.2
Chloroform	ug/l	ND	1.2	ND	1.2	ND	1.2
1-Chlorohexane	ug/l	ND	1.2	ND	1.2	ND	1.2
2-Chloroethyl Vinyl Ether	ug/l	ND	1.2	ND	1.2	ND	1.2
Chloromethane	ug/l	ND	1.2	ND	1.2	ND	1.2
Chloromethyl Methyl Ether	ug/l	ND	1.2	ND	1.2	ND	1.2
Chlorotoluene	ug/l	ND	1.2	ND	1.2	ND	1.2
Dibromochloromethane	ug/l	ND	1.2	ND	1.2	ND	1.2
Dibromomethane	ug/l	ND	1.2	ND	1.2	ND	1.2

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

LOG NO.: 1100
 DATE SAMPLED: 7/11/91
 DATE RECEIVED: 7/11/91
 DATE ANALYZED: 7/25/91
 DATE REPORTED: 8/02/91
 PAGE: Seven

Sample Type: Water

Method and Constituent	Units	DLT-4		DLT-5		Method Blank	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
EPA Method 8010 (Continued):							
1,2-Dichlorobenzene	ug/l	ND	1.2	ND	1.2	ND	1.2
1,3-Dichlorobenzene	ug/l	ND	1.2	ND	1.2	ND	1.2
1,4-Dichlorobenzene	ug/l	ND	1.2	ND	1.2	ND	1.2
Dichlorodifluoromethane	ug/l	ND	1.2	ND	1.2	ND	1.2
1,1-Dichloroethane	ug/l	ND	1.2	ND	1.2	ND	1.2
1,2-Dichloroethane	ug/l	ND	1.2	ND	1.2	ND	1.2
1,1-Dichloroethylene	ug/l	ND	1.2	ND	1.2	ND	1.2
Trans-1,2-Dichloroethylene	ug/l	ND	1.2	ND	1.2	ND	1.2
Dichloromethane	ug/l	ND	7.3	ND	7.3	ND	7.3
1,2-Dichloropropane	ug/l	ND	1.2	ND	1.2	ND	1.2
1,3-Dichloropropylene	ug/l	ND	1.2	ND	1.2	ND	1.2
1,1,2,2-Tetrachloroethane	ug/l	ND	1.2	ND	1.2	ND	1.2
1,1,1,2-Tetrachloroethane	ug/l	ND	1.2	ND	1.2	ND	1.2
Tetrachloroethylene	ug/l	ND	1.2	ND	1.2	ND	1.2
1,1,1-Trichloroethane	ug/l	ND	1.2	ND	1.2	ND	1.2
1,1,2-Trichloroethane	ug/l	ND	1.2	ND	1.2	ND	1.2
Trichloroethylene	ug/l	17	1.2	9.4	1.2	ND	1.2
Trichlorofluoromethane	ug/l	ND	1.2	ND	1.2	ND	1.2
Trichloropropane	ug/l	ND	1.2	ND	1.2	ND	1.2
Vinyl Chloride	ug/l	ND	3.8	ND	3.8	ND	3.8

QC Summary:

% Recovery: 90
 % RPD: 16

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



LOG NO.: 1100
DATE SAMPLED: 7/11/91
DATE RECEIVED: 7/11/91
DATE EXTRACTED: 7/15/91
DATE ANALYZED: 7/16/91
DATE REPORTED: 8/02/91
PAGE: Eight

Sample Type: Water

Method and Constituent:	Units	DLT-2		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 7520: Nickel	ug/l	ND	300	ND	300

QC-Summary

% Recovery: 85
% RPD *

The RPD is not reportable since the sample prepared in duplicate was not detectable.
Concentrations reported as ND were not detected at or above the reporting limit.

LOG NO.: 1100
 DATE SAMPLED: 7/11/91
 DATE RECEIVED: 7/11/91
 DATE EXTRACTED: 7/15/91
 DATE ANALYZED: 7/16/91
 DATE REPORTED: 8/02/91
 PAGE: Nine


Sample Type: Water

<u>Method and Constituent:</u>	<u>Units</u>	<u>DLT-1</u>		<u>Method Blank</u>	
		<u>Concen- tration</u>	<u>Reporting Limit</u>	<u>Concen- tration</u>	<u>Reporting Limit</u>
EPA Method 7950:					
Zinc	ug/l	ND	50	ND	50

QC-Summary

% Recovery: 86
 % RPD: 9.1

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



 Louis W. DuPuis
 Quality Assurance/Quality Control Manager



Bill-Zatkins See previous report

718 E. Evelyn Ave.
Sunnyvale, CA 94086
(408)736-1380

CHAIN OF CUSTODY

project# Q0301-791	project name ZATKIN	project site address 900 DOOLITTLE DR. SAN LEANDRO, CA.	sample type gas bag - A water - W soil - S	analysis 1100
sampler B. D. McEVENS				

TOG SO3E
TPH (D)
TPH (G) BEN
SO10
Z-N
NI

date	time	grab	comp	sample ID number					remarks
7-11-91		X		4862			X	X	DLT-2 2-40 HCL, 2-40 un. 1-500 HNO3
		X		4863	X	X		X	DLT-3 1L HCL, 1L UN, 2-40 un.
		X		4864				X	DLT-5 2-40 un 1 un.
		X		4865	X			X	DLT-4 1L HCL, 2-40 un
7-11-91		X		4866	X	X		X	DLT-1 1L HCL, 1L un, 2-40 un, 1-500 HNO3
									correct container size Reg TAT Green

relinquished by: <i>[Signature]</i> 7-11-91 @ 3:20 PM	received by: FOR TAZ <i>[Signature]</i> 7-11-91 3:20 PM	relinquished by:	received by:	page _____
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718 E. Evelyn Avenue
Sunnyvale, CA 94086
(408)736-1380

Client ZATKIN Job # QU301-791
Location DLT-3
Date 7-11-91
Reagent TO6, TP400, 8010
Comments 1L HCL, 1L UN, 2-40ml un

004863

004863

004863



718 E. Evelyn Avenue
Sunnyvale, CA 94086
(408)736-1380

Client ZATKIN Job # QU301-791
Location DLT-2
Date 7-11-91
Reagent KBTEX 8010, Ni
Comments 1-40ml HCL, 2-40ml un, 1-500ml H₂O

004862

004862

004862



718 E. Evelyn Avenue
Sunnyvale, CA 94086
(408)736-1380

Client ZATKIN Job # QU301-791
Location DLT-4
Date 7-11-91
Reagent TO6, 8010
Comments 1L HCL, 2-40ml un.

004865

004865

004865



718 E. Evelyn Avenue
Sunnyvale, CA 94086
(408)736-1380

Client ZATKIN Job # QU301-791
Location DLT-5
Date 7-11-91
Reagent 8010
Comments 2-40ml un.

004864

004864

004864



718 E. Evelyn Avenue
Sunnyvale, CA 94086
(408)736-1380

Client ZATKIN Job # QU301-791
Location DLT-1
Date 7-11-91
Reagent TO6, TP400, 8010, ZN
Comments 1L HCL, 1L UN, 2-40ml un, 1-500ml H₂O

004866

004866

004866