



Dennis Bates
associates
INCORPORATED

ALCO
HAZMAT

94 JAN 31 PM 2:46

January 25, 1994

Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Room 350
Oakland, CA 94621
Attn: Ms. Jennifer Eberle

RE: Oakland Auto Parts

Dear Ms. Eberle:

Enclosed please find the soil to groundwater analytical results from the December 14, 1983 sampling.

Please note:

MW1 - Collected directly from 12 VDC submersible

MW1A - Collected by using disposable

MW1B - Collected from barrel containing purge water

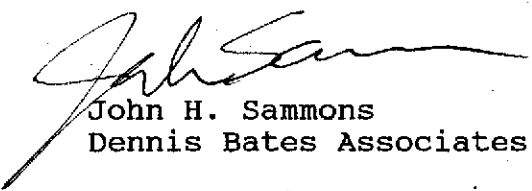
MW2B - Collected from barrel containing purge water

MW3B - Collected from barrel containing purge water

Wash - Collected from barrel containing wash/rinseate

Composite VW1-1 and VW1-2 - Barrel containing drilling spoils from vent well - 1

Composite VW2-1 and VW2-2 - Barrel containing drilling spoils from vent well - 2


John H. Sammons
Dennis Bates Associates, Inc.

cc: Bo K. Gin
File

Environmental Consulting ■ Hazardous Materials Management
494 Alvarado St. Suite B ■ Monterey, CA 93940 ■ 408 646 0668 ■ FAX 408 646 8036
2011 Feliz Road ■ Novato, CA 94945 ■ 415 892 4131 ■ FAX 415 892 1912

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960

Facsimile (510) 783-1512



January 13, 1994

Mr. John Sammons
Dennis Bates Associates, Inc
2011 Feliz Road
Novato, California 94945

Dear Mr. Sammons:

Trace Analysis Laboratory received eight water samples and seven soil samples on December 14, 1993 for your project No. ENV 1514N, Oakland Auto (our custody log number 3927).

These samples were analyzed according to your chain of custody. Our analytical report and 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 cursive script that reads "Scott T. Ferriman".

Scott T. Ferriman
Project Specialist

Enclosures

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960

Facsimile (510) 783-1512



LOG NUMBER: 3927
 DATE SAMPLED: 12/14/93
 DATE RECEIVED: 12/14/93
 DATE ANALYZED: 12/24/93
 DATE REPORTED: 01/13/94

CUSTOMER: Dennis Bates Associates, Inc.

REQUESTER: John Sammons

PROJECT: No. ENV 1514N, Oakland Auto

Sample Type: Water

Method and Constituent:	Units	MW-1		MW-1A		MW-1B	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit

DHS Method:

Total Petroleum Hydrocarbons as Gasoline	ug/l	17,000	540	12,000	270	ND	50
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Modified EPA Method 8020 for:

Benzene	ug/l	9,200	40	6,400	20	ND	0.50
Toluene	ug/l	1,200	21	360	10	ND	0.50
Ethylbenzene	ug/l	440	23	330	12	ND	0.50
Xylenes	ug/l	540	61	200	30	ND	1.5

Method and Constituent:	Units	MW-2		MW-2B		MW-3	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit

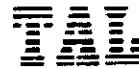
DHS Method:

Total Petroleum Hydrocarbons as Gasoline	ug/l	16,000	670	81	50	ND	50
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Modified EPA Method 8020 for:

Benzene	ug/l	3,200	50	ND	0.50	ND	0.50
Toluene	ug/l	4,200	26	ND	0.50	ND	0.50
Ethylbenzene	ug/l	500	29	ND	0.50	ND	0.50
Xylenes	ug/l	1,700	76	ND	1.5	ND	1.5

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



LOG NUMBER: 3927
DATE SAMPLED: 12/14/93
DATE RECEIVED: 12/14/93
DATE ANALYZED: 12/24/93
DATE REPORTED: 01/13/94
PAGE: Two

Sample Type: Water

<u>Method and Constituent:</u>	<u>Units</u>	<u>MW-3B</u>		<u>Wash</u>		<u>Method Blank</u>	
		<u>Concentration</u>	<u>Reporting Limit</u>	<u>Concentration</u>	<u>Reporting Limit</u>	<u>Concentration</u>	<u>Reporting Limit</u>
<u>DHS Method:</u>							
Total Petroleum Hydrocarbons as Gasoline	ug/l	ND	50	ND	50	ND	50
<u>Modified EPA Method 8020 for:</u>							
Benzene	ug/l	ND	0.50	ND	0.50	ND	0.50
Toluene	ug/l	ND	0.50	ND	0.50	ND	0.50
Ethylbenzene	ug/l	ND	0.50	ND	0.50	ND	0.50
Xylenes	ug/l	ND	1.5	ND	1.5	ND	1.5

QC Summary:

% Recovery: 82
% RPD: 8.5

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



LOG NUMBER: 3927
 DATE SAMPLED: 12/14/93
 DATE RECEIVED: 12/14/93
 DATE EXTRACTED: 01/07/94
 DATE ANALYZED: 01/07/94
 DATE REPORTED: 01/13/94
 PAGE: Three

Sample Type: Soil

Method and Constituent:	Units	PI1-2.5'		PI2-1.5'		PI3-2'	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
DHS Method: Organic Lead	mg/kg	ND	1.7	ND	1.7	17	1.7

Method and Constituent:	Units	Composite of VW1-1 and VW1-2		Composite of VW2-1 and VW2-2		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
DHS Method: Organic Lead	mg/kg	ND	1.7	ND	1.7	ND	1.7

QC Summary:

% Recovery: 101
 % RPD: 4.5

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



LOG NUMBER: 3927
 DATE SAMPLED: 12/14/93
 DATE RECEIVED: 12/14/93
 DATE EXTRACTED: 12/15/93
 DATE ANALYZED: 12/16/93
 DATE REPORTED: 01/13/94
 PAGE: Four

Sample Type: Soil

<u>Method and Constituent:</u>	<u>Units</u>	<u>PI1-2.5'</u>		<u>PI2-1.5'</u>		<u>PI3-2'</u>	
		<u>Concentration</u>	<u>Reporting Limit</u>	<u>Concentration</u>	<u>Reporting Limit</u>	<u>Concentration</u>	<u>Reporting Limit</u>
EPA Method 7420:							
Lead	mg/kg	130	3.6	46	3.6	1,100	3.6

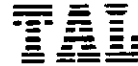
<u>Method and Constituent:</u>	<u>Units</u>	<u>Composite of VW1-1 and VW1-2</u>		<u>Composite of VW2-1 and VW2-2</u>		<u>Method Blank</u>	
		<u>Concentration</u>	<u>Reporting Limit</u>	<u>Concentration</u>	<u>Reporting Limit</u>	<u>Concentration</u>	<u>Reporting Limit</u>
EPA Method 7420:							
Lead	mg/kg	15	3.6	5.5	3.6	ND	3.6

QC Summary:

% Recovery: 92*
 % RPD: 4.5

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

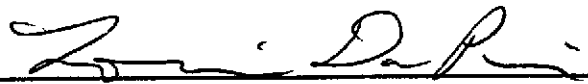
* The Recovery is for the Laboratory Control Sample, due to interference in the spiked sample.



LOG NUMBER: 3927
 DATE SAMPLED: 12/14/93
 DATE RECEIVED: 12/14/93
 DATE ANALYZED: 12/29/93
 DATE REPORTED: 01/13/94
 PAGE: Five

Sample Type: Soil

<u>Method and Constituent:</u>	<u>Units</u>	<u>PI1-2.5'</u>	<u>PI2-1.5'</u>	<u>PI3-2'</u>
		Concentration	Concentration	Concentration
Moisture	%	13.1	15.7	10.4
<u>Method and Constituent:</u>	<u>Units</u>	<u>Composite of VW1-1 and VW1-2</u>	<u>Composite of VW2-1 and VW2-2</u>	
Moisture	%	11.5	9.9	


 Louis W. DuPuis
 Quality Assurance/Quality Control Manager

3927

Sample Analysis Request / Chain of Custody 1 of 2

DENNIS BATES ASSOCIATES, INC.
2011 FELIZ ROAD,
NOVATO, CA 94945
(415) 892 4131 FAX (415) 892 1912

JOB NAME:

Oakland Auto

JOB NUMBER:

ENV 1514N

P.O. Number:

Samplers: JOHN SIMMONS

Justine Dubowitz

Sample I.D.	Date	Time	Comp.	Grab	Location	No. of Containers	Matrix	ANALYSES						Turn Around Time	
								TPH as Gasoline	BTXE	TPH as Diesel	Organic Leach	Total Lead	% Moisture		Per Dennis Bates 12/14/93
PE1-2.5'	12/14/93	10:30		X	Top of Harrison	1	soil						X		Reg TAT
PE2-1.5'	12/14/93	11:00											X		
PE3-2'		11:15											X		
VW1-1		11:25											X		
VW2-1		11:30											X		
VW1-2		11:35											X		
VW2-2		11:40											X		
MW3B		11:45				2	water	X	X						
MW2B		11:50				2	water	X	X						
MW1B		11:55				2	water	X	X						
WASH	12/14/93	12:00			" "	2	water	X	X						


Relinquished By (Signature)

Date Time

Accepted By (Signature)

Laboratory Name & Address:

REMARKS:

1  Justine Dubowitz

12/14/93 0330

1 Scott Simmons

* composite VW1-1 with VW1-2

2

2

Composite MW2-1 with VW2-2

3

3

3927

2 of 2

Sample Analysis Request / Chain of Custody

DENNIS BATES ASSOCIATES, INC.
 2011 FELIZ ROAD,
 NOVATO, CA 94945
 (415) 892 4131 FAX (415) 892 1912

JOB NAME: Oakland Auto
 JOB NUMBER: ENVIS14N P.O. Number: _____

Samplers: John Sammons
Justin

Sample I.D.	Date	Time	Comp.	Grab	Location	No. of Containers	Matrix	ANALYSES					Turn Around Time					
								TPH as Gasoline	BTXE	TPH as Diesel								
MW1	12/14/93				Oakland	9	Water	X	X									
MW1A	12/14/93				"	9	"											Reg TAT
MW2	12/14/93				"	2	"											
MW3	12/14/93				"	2	"											

Relinquished By (Signature)	Date	Time	Accepted By (Signature)
<u>[Signature]</u> SCUBERTZ	12/14/93	335	<u>[Signature]</u> Scott T. Lewis

Laboratory Name & Address: _____
 REMARKS: _____