MAY-25-194 WED 14:29 ID:ALA CO ENV HEA LAB LEE NO:510 437-4575

ALAMEDA COUNTY HEALTH CARE SERVICES **AGENCY** 



DAVID J. KEARS, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH 470 - 27th Street, Third Floor Oskland, California 94812

510-271-4313

To: John Samuelon

Tx: Dancy Wing

Date: 5/5/94

## Alameda County Health Care Service Agency Department of Environmental Health Environmental Health Laboratory

# ANALYTICAL REQUEST

:5			Certification No. 1816				
0 A A 7 A 4 A 7 A 4 A 7 A 4 A 7 A 4 A 7 A 4 A 7 A 8 A 7 A 8 A 7 A 8 A 8 A 8 A 8 A 8	7.0		Laboratory No. 94-049				
Sample Taent	fication: Na	tional Automo		ckheed St., (	Dakland, CA 94	1621	
Analysis Requ	ested By: <u>Do</u>	n Hwang					
Date Collecte	d: <u>5/12/</u>	94	Collec	cted By: <u>Don</u>	Hwang		
Date Received	By: 5/17/	94	Recei	ved By: D. W	<b>V</b> ong		
Analysis Requ	ested: <u>Tota</u> l	Oil & Grease	(#2,3,7,8,9)	. Heavy Meta	ls: Cd, Cr, Cu	ı <u>, Ni, P</u> b, Zn	
on #4.	·					<del> </del>	
Background In	formation: A	total of 9 sa	mples were su	abmitted and a	analyzed as ab	oove.	
	•						
		ANALY!	rical results				
Danasadasa			•	Oh a	overation or D	ogulta	
Parameter			1.	ODS	ervation or R	esurcs	
Sample#	940512DH <b>-2</b>	940512DH <b>-3</b>	940512DH-4	940512DH <b>-7</b>	940512DH-8	940512DH <b>-9</b>	
Laboratory#	94-049-2	94-049-3	94-049-4	94-049-7	94-049-8	94-049-9	
TOG	0.1%	10.2%		1.0%	15.1%	0.2%	
Metals			See Attach	يجيب سيؤت بإسناء الشاء			
				•			
Conglugions	· ·						
Conclusions:	<del>.</del>						
		7					
Data Analysis	c Completed.	( , , , , , )	Chemi	c+•			
	s Completed:	4/23/94		lst: <u>N. Le</u> u	ing		
<del></del>	in fr	The same of the sa		<u> </u>			
Distribution	: <u>Don Hwang</u> ,	Rafat Shahid	, Ed Howell.	·			

### ANALYTICAL RESULTS

CAM METALS

		CM4 DETMIN	· · · · · · · · · · · · · · · · · · ·	1
Lab No.: 94-04 Sample I.D.:			STLC mg/L	TTLC ng/kg wet wt.
Parameter	940512DH <b>4</b>	Concentration in ppm (TTC) Analytical Method		500
An <del>Laiony</del>		rection	15	·
Arsenic	, <u>, , , , , , , , , , , , , , , , , , </u>		5.0	500
Barium			1.00	10,000
Beryllium			0.75	75
Cadmium	3ppm	7130	1:0	100
Chromium VI			5	500
Chromium	31ppm	7190	560	2,500
Cobalt			80	8,000
Copper	60ppm	7210	25	2,500
Lead	94ppm	7420	5.0	1,000
Mersury	r*		0.2	20
Molypdenum			550	3,500
Nickel	42ppm	7520	20	2,000
Selenium			1.0	100
Silver			5	500
			7.0	700
Thallium			24	2,400
<u>Vanadium</u>	205	7950	250	
Zinc	205ppm	7900	400	5,000

Note: Since the STLC limits are based on an extract of 50g. diluted to 500ml. the total metal concentration must exceed ten times the STLC limit before the extract need be analyzed.

### Alameda County Health Care Service Agency Department of Environmental Health Environmental Health Laboratory

Certification No. 1816

#### ANALYTICAL REQUEST

Laboratory No. 94-049 Sample Identification: National Automotive, 7200 Lockheed St., Oakland, CA Analysis Requested By: John Samuelson (ALCO DA Office) Date Collected: 5/12/94 Collected By: Date Received By: 5/17/94 Received By: D. Wong Analysis Requested: Heavy Metals: Cd, Cr, Cu, Ni, Pb, Zn. Background Information: 2 vegetation/soil samples were analyzed. ANALYTICAL RESULTS Observation or Results Parameter 940512DH-8 940512DH-3 Sample# 94-049-8 94-049-3 Laboratory# See Attached Sheet for Details. Metal Content Conclusions: Date Analysis Completed: 6/6/94 Chemist: N. Leung Approved: アウ Distribution: John Samuelson, Rafat Shahid, Ed Howell.

#### ANALYTICAL RESULTS

	·	CAM METALS		<del>,</del>	· · · · · · · · · · · · · · · · · · ·
ab No.: 94-0 ample I.D.;	949-(3 & 8) 940512DH-3 & 9405	1.2DH-8		STLC mg/L	TTLC mg/kg wet wt.
are ter	940512DH-3	940512DH-8 Concentration in ppm (TTLC)	Analytical Method	15	500
rsenic			·	5.0	500
arium				1.00	10,000
ery <u>ĺlium</u>				0.75	75
admium	22ppm	'4ppm	71.30	1:0	100
romium VI				5	500
hromium	24ppm	8ppm	7190	560	2,500
obalt				80	8,000
<u>opper</u>	43ppm	74ppm	7210	25	2,500
ead	64ppm	45ppm	7420	5.0	1,000
er COV				0.2	20
olybdenum				550	3,500
ickel	38ppm	11ppm	7520	20	2,000
elenium .				10	100
ilver				5	500
hallium				7.0	700

2,400

5,000

24

250

7950

Note: Since the STIC limits are based on an extract of 50g. diluted to 500ml. the total metal concentration must exceed ten times the STIC limit before the extract need be analyzed.

58ppm

anadium

<u>line</u>

353ppm