

**ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY**
DAVID J. KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, California 94612
510-271-4313

To: John Samuelson
Fr: Darcy Wong
Date: 5/5/94

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

ANALYTICAL REQUEST

Certification No. 1816

Laboratory No. 94-049

ALCO
 HIZMAT
 MAY 25 AM 11:27

Sample Identification: National Automotive, 7200 Lockheed St., Oakland, CA 94621

Analysis Requested By: Don Hwang

Date Collected: 5/12/94 Collected By: Don Hwang

Date Received By: 5/17/94 Received By: D. Wong

Analysis Requested: Total Oil & Grease (#2,3,7,8,9). Heavy Metals: Cd, Cr, Cu, Ni, Pb, Zn on #4.

Background Information: A total of 9 samples were submitted and analyzed as above.

ANALYTICAL RESULTS

Parameter	Observation or Results					
Sample#	940512DH-2	940512DH-3	940512DH-4	940512DH-7	940512DH-8	940512DH-9
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	-----	-----	-----

Conclusions: _____

Date Analysis Completed: 4/23/94 Chemist: N. Leung

Approved: [Signature]

Distribution: Don Hwang, Rafat Shahid, Ed Howell.

ANALYTICAL RESULTS

CAM METALS

Lab No.: 94-049-4				STLC	TTLIC
Sample I.D.: 940512DH-4				mg/L	mg/kg wet wt.
Parameter	940512DH-4	Concentration in ppm (TTLIC)	Analytical Method		
Antimony				15	500
Arsenic				5.0	500
Barium				100	10,000
Beryllium				0.75	75
Cadmium	3ppm		7130	1.0	100
Chromium VI				5	500
Chromium	31ppm		7190	500	2,500
Cobalt				80	8,000
Copper	60ppm		7210	25	2,500
Lead	94ppm		7420	5.0	1,000
Mercury				0.2	20
Molybdenum				550	3,500
Nickel	42ppm		7520	20	2,000
Selenium				1.0	100
Silver				5	500
Thallium				7.0	700
Vanadium				24	2,400
Zinc	205ppm		7950	250	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.

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ANALYTICAL REQUEST

Certification No. 1816

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

Parameter	Observation or Results
Sample#	940512DH-3 940512DH-8
Laboratory#	94-049-3 94-049-8
Metal Content	See Attached Sheet for Details.

Conclusions: _____

Date Analysis Completed: 6/6/94 Chemist: N. Leung

Approved: Du

Distribution: John Samuelson, Rafat Shahid, Ed Howell.

ANALYTICAL RESULTS

CAM METALS

Lab No.: 94-049-(3 & 8)				STLC	TTL	
Sample I.D.: 940512DH-3 & 940512DH-8				mg/L	mg/kg wet wt.	
Parameter	940512DH-3	940512DH-8	Concentration in ppm (TTL)	Analytical Method		
Antimony					15	500
Arsenic					5.0	500
Barium					100	10,000
Beryllium					0.75	75
Cadmium	22ppm	4ppm		7130	1.0	100
Chromium VI					5	500
Chromium	24ppm	8ppm		7190	560	2,500
Cobalt					80	8,000
Copper	43ppm	74ppm		7210	25	2,500
Lead	64ppm	45ppm		7420	5.0	1,000
Mercury					0.2	20
Molybdenum					550	3,500
Nickel	38ppm	11ppm		7520	20	2,000
Selenium					1.0	100
Silver					5	500
Thallium					7.0	700
Vanadium					24	2,400
Zinc	353ppm	58ppm		7950	250	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.