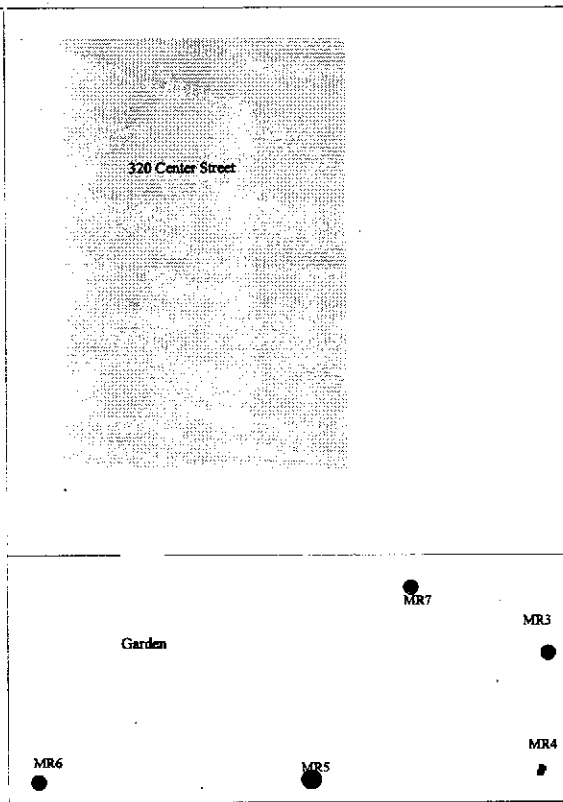


Center Street



Sample Locations  
August 8, 1995

*Center Street  
Sampling results  
for Lead*

ENVIRONMENTAL  
PROTECTION

95 MAY 20 PM 1: 16

Figure 1

California Department of Toxic Substances Control  
Hazardous Materials Laboratory Inorganic Section  
2151 Berkeley Way, Berkeley, CA 94704  
TEL NO. (510) 540-3003

HML# 950113 to 950119  
Date Sampled: 08/08/95  
Date Rec'd : 08/08/95  
Authorzn No: HML 2597

LABORATORY REPORT FOR METAL ANALYSIS  
CONFIRMATION REPORT

Collector's Name: LYNN NAKASHIMA  
Location: CA MACK RESIDENCE  
320 CENTER, OAKLAND 94607

Collectrs No: MR 001  
to: MR 007  
Activity: SMB

ANALYTICAL  
PROCEDURE:

The sample was digested with 1:1 HNO<sub>3</sub>, 30% HCl,  
and 1:1 HCl over a hot plate. The digested sample was  
cooled, filtered and made to final volume with deionized  
water, Ref. EPA Method 3050. Metals analyses is by ICPAES,  
Ref. EPA Method 6010. Overcalibration for lead (Pb) is by  
FAAS, Ref. EPA 7420. Result is reported as mg/kg.

HML NO.	COLLECTOR NO.	SAMPLE TYPE	LEAD (Pb)
950119	MR 007	SOIL	7600

SIGNATURES:

Zenaida Odion  
Zenaida Odion  
Analyst

9/12/95  
Date

Milad S. Iskander  
Milad S. Iskander  
Supervisor

9/14/95  
Date

review) 9/13/95

California Department of Toxic Substances Control  
 Hazardous Materials Laboratory  
 2151 Berkeley Way, Berkeley, CA 94704  
 Tel. No. (510) 540-3003

HML# 950113 to 950119  
 Collector's # MR 001  
 to: MR 007

Inorganic Quality Assurance

Collector's Name: LYNN NAKASHIMA  
 Sample Location: CA MACK RESIDENCE  
320 CENTER, OAKLAND 94607

Date Sampled: 08/08/95  
 Date Rec'd: 08/08/95  
 ACTIVITY: SMB

Analytical Procedure Used: HNO<sub>3</sub> digestion and analysis by FAAS.  
 Concentration units: mg/Kg

1. Initial Calibration Verification	Reference Standard	Determination	Lead (Pb)
	Source: ENV. EXPRESS Lot#590512 Exp. 6/'96	Found	0.95
		True	1.00
		% Recovery	95.0
Method Blank		< 1.00	
2. Continuing Calibration Verification	Standard Solution	Found	27.6
	ENV. EXPRESS LOT# 590512 EXP.6/'96	True	30.0
		% Recovery	91.9
		Preparation Blank	
3. Spike Recovery Result	Sample No. HML # <u>950119</u>	Spike Result A	8600
	MATRIX: <u>Digest</u>	Spike Result B	8620
		Spike Added	1000
		Sample Result	7600
4. Duplicate Result	Sample No. HML # <u>950119</u>	% Recovery A	100
		% Recovery B	102
		RPD	1.98

Zenaida Odion  
 Zenaida Odion, Analyst

9/12/95  
 Date

Milad Iskander  
 Milad Iskander, Supervisor

9/14/95  
 Date

<b>HAZARDOUS MATERIALS SAMPLE ANALYSIS REQUEST</b>		1. Authorization Number <b>HML 2597</b>		HML No. <b>950113</b>		2. Pages <b>1 of 1</b>							
				To <b>950119</b>									
3. Requester: <b>Nakashima, Lynn</b>				4. Phone: <b>(510) 540-3839</b>				5. Priority Level: 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/>					
Address (To Receive Results): <b>700 Heinz Ave, Suite 200</b>				a. Authorized by _____									
6. Date Sampled <b>8/8/95</b>		7. Time Sampled <b>10-15 Hours</b>		8. Codes (fill in all applicable codes):									
9. Activity: <input type="checkbox"/> SEB <input checked="" type="checkbox"/> SMB <input type="checkbox"/> FPB <input type="checkbox"/> FMB <input type="checkbox"/> HQ <input type="checkbox"/> OTHER								a. STC <b>1050</b>					
10. SAMPLING LOCATION								b. Region <b>3</b>					
								c. INDEX <b>5200</b>					
a. EPA ID No. _____								d. PCA <b>11085</b>					
b. Site <b>B20 ca Mack Residence</b>								e. MPC _____					
c. Address <b>320 Center Oakland 94607</b>								f. SITE _____					
Number Street City Zip								g. County <b>02</b>					
11. SAMPLES													
a. ID		b. Collector's No.		c. Lab No.		d. Type		e. Container		f. Size		g. Field Information	
A		MR001		950113		W		amber 2x VOA		2x40 ml		Tap water	
B		MR002		950114		W		Kangas		1 pint		↓	
C		MR003		950115		Soil		30oz Glass		32oz		Soil, backyard	
D		MR004		950116		Soil		↓		↓		↓	
E		MR005		950117		Soil		↓		↓		↓	
F		MR006		950118		Soil		↓		↓		↓	
G		MR007		950119		Soil		↓		↓		↓	
H													
12. ANALYSIS REQUESTED										f. <input type="checkbox"/> VOA-8020 _____		i. <input type="checkbox"/> Flash Point _____	
a. <input type="checkbox"/> pH _____		g. <input type="checkbox"/> VOA-H/S _____		h. <input checked="" type="checkbox"/> VOA-8240 <b>MR001A</b>		m. <input type="checkbox"/> C1-Pesticides _____		n. <input type="checkbox"/> OP-Pesticides _____		o. <input checked="" type="checkbox"/> <b>8080 C,D,E,F,G</b>		p. <input type="checkbox"/> _____	
b. <input checked="" type="checkbox"/> Metal Scan <b>MR001A</b>		c. <input type="checkbox"/> Metals (Spec) _____		i. <input type="checkbox"/> VOA-8260 _____		j. <input type="checkbox"/> SVO-8270 _____		q. <input type="checkbox"/> _____		k. <input type="checkbox"/> Diesel/Gasoline _____			
d. <input type="checkbox"/> W.E.T. _____		e. <input type="checkbox"/> VOA-8010 _____											
13. SPECIAL REMARKS: _____													
14. SUPPLEMENTAL REQUESTS										Initials: _____		Date: _____	
15. CHAIN OF CUSTODY													
a. <u>Lynn Nakashima</u>		Signature		Lynn Nakashima / HSS		Name/Title		8/8/95		Inclusive Dates		8-8/95	
b. <u>Terana Hannon</u>		Signature		Terana Hannon / Lab Asst.		Name/Title		08/08/95		Inclusive Dates		/ /	
c. _____		Signature		_____		Name/Title		/ /		Inclusive Dates		/ /	
d. _____		Signature		_____		Name/Title		/ /		Inclusive Dates		/ /	
16. LAB REMARKS: _____													

FIELD

LAB

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

HML Sample Number: 950113

Hazardous Materials Laboratory

2151 Berkeley Way, Berkeley, California 94704

GC/MS LABORATORY REPORT

Authorization No.: HML2597

COLLECTOR'S NAME: <u>LYNN NAKASHIMA</u>	DATE SAMPLED: <u>8/08/95</u>
SAMPLING SITE: <u>MACK RESIDENCE</u>	DATE RECEIVED AT HML: <u>8/08/95</u>
<u>320 CENTER ST., OAKLAND 94607</u>	PRIORITY: <u>#2</u>
TEST: GC/MS Purge and Trap Volatile Organic Analysis ANALYTICAL PROCEDURE: The volatile organic compounds are introduced into J&W DB™ -624, 3 µm x 0.53mm I.D column GC/MS system with a purge-and-trap apparatus. Water samples are purged directly. Soil samples and oil sludge samples are extracted with purge-and-trap grade methanol reagent. An aliquot of clear extract is diluted to volume and introduced into purge-and-trap vessel for P/T GC/MS analysis. Electron impact, full scan mass spectrometry is used for the analysis of the eluent. GC/MS METHOD REFERENCE: EPA Method 8240 GC/MS Volatile Organic Analysis.	DATE GC/MS ANALYSIS REQUESTED: <u>8/04/95</u> DATE RECEIVED AT GC/MS LAB: <u>8/09/95</u> DATE(S) OF GC/MS ANALYSIS: <u>8/09/95</u> TO: <u>--</u> GC/MS ANALYST(S): <u>LUCY MARK &amp; O. GARBIN</u>

GC/MS VOLATILE ORGANIC ANALYSIS

(page 1 of 2 )

CAS NUMBER	VOLATILE ORGANIC ANALYTES	HML #	950113	Storage	Method Blank	Quantitation Limit
		COLLECTOR'S #	MR001	Blank		
		UNITS	µg/L	µg/L	µg/L	µg/L
		MATRIX	water	water		
74-87-3	CHLOROMETHANE	ND		ND	ND	5.0
74-83-9	BROMOMETHANE	ND		ND	ND	5.0
75-01-4	VINYL CHLORIDE (CHLOROETHENE)	ND		ND	ND	5.0
75-00-3	CHLOROETHANE	ND		ND	ND	5.0
75-09-2	METHYLENE CHLORIDE	ND		ND	ND	5.0
67-64-1	ACETONE	ND		ND	ND	5.0
75-15-0	CARBON DISULFIDE	ND		ND	ND	5.0
75-69-4	TRICHLOROFLUOROMETHANE	ND		ND	ND	5.0
75-35-4	1,1-DICHLOROETHENE	ND		ND	ND	5.0
75-34-3	1,1-DICHLOROETHANE	ND		ND	ND	5.0
156-60-5	TRANS-1,2-DICHLOROETHENE	ND		ND	ND	5.0
67-66-3	CHLOROFORM	78		ND	ND	5.0
78-93-3	2-BUTANONE (METHYL ETHYL KETONE)	ND		ND	ND	5.0
107-06-2	1,2-DICHLOROETHANE	ND		ND	ND	5.0
71-55-6	1,1,1-TRICHLOROETHANE	ND		ND	ND	5.0
108-05-4	VINYL ACETATE	ND		ND	ND	5.0
56-23-5	CARBON TETRACHLORIDE	ND		ND	ND	5.0
75-27-4	BROMODICHLOROMETHANE	D		ND	ND	5.0
78-87-5	1,2-DICHLOROPROPANE	ND		ND	ND	5.0
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND		ND	ND	5.0

Note: ND = not detected; NA = not analyzed; D = detected below quantitation limit

(continue on page 2)

Analyst: [Signature]

Supervisor: [Signature]

DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
 HAZARDOUS MATERIALS LABORATORY  
 2151 BERKELEY WAY, BERKELEY, CALIFORNIA 94704  
 GC/MS Laboratory Report (Continued)

COLLECTOR'S NAME: LYNN NAKASHIMA  
 SAMPLING SITE: MACK RESIDENCE  
320 CENTER ST., OAKLAND 94607

GC/MS VOLATILE ORGANIC ANALYTES

[PAGE 2 OF 2 ]

CAS NUMBER	VOLATILE ORGANIC ANALYSIS	HML #	950113	Storage	Method Blank	Quantitation limit
		COLLECTOR'S #	MR001	Blank		
		UNITS	µg/L	µg/L		
		MATRIX	water	water		
79-01-6	TRICHLOROETHENE		ND	ND	ND	5.0
71-43-2	BENZENE		ND	ND	ND	5.0
10061-02-6	TRANS-1,3-DICHLOROPROPENE		ND	ND	ND	5.0
79-00-5	1,1,2-TRICHLOROETHANE		ND	ND	ND	5.0
75-25-2	BROMOFORM		ND	ND	ND	5.0
108-10-1	4-METHYL-2-PENTANONE		ND	ND	ND	5.0
591-78-6	2-HEXANONE		ND	ND	ND	5.0
127-18-4	TETRACHLOROETHENE		ND	ND	ND	5.0
79-34-5	1,1,2,2-TETRACHLOROETHANE		ND	ND	ND	5.0
108-88-3	TOLUENE		ND	ND	ND	5.0
108-90-7	CHLOROBENZENE		ND	ND	ND	5.0
100-41-4	ETHYLBENZENE		ND	ND	ND	5.0
100-42-5	STYRENE		ND	ND	ND	5.0
108-38-3	XYLENE-M&P		ND	ND	ND	5.0
95-47-6	O-XYLENE		ND	ND	ND	5.0
124-48-1	DIBROMOCHLOROMETHANE		ND	ND	ND	5.0
106-46-7	1,4-DICHLOROBENZENE		ND	ND	ND	5.0
156-59-2	CIS-1,2-DICHLOROETHENE		ND	ND	ND	5.0

Note: ND = not detected; NA = not analyzed; D = detected below quantitation limit  
 QL = Quantitation Limit = conc. of lowest standard x sample dilution factor

Comment(s):

GC/MS Analyst(s): Orlando Garbin Signature(s): Orlando Garbin Report Date: 8/10/95  
 Reviewer: William Lum Signature: William Lum Review Date: 8-10-95  
 Supervisor: William S. Lum Signature: William S. Lum Date: 8-10-95

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Hazardous Materials Laboratory

Q.C. Summary of Matrix Spike Analysis

HML SAMPLE NUMBER(S): 950113  
 COLLECTOR'S NUMBER(S): MR001  
 COLLECTOR'S NAME: LYNN NAKASHIMA  
 SAMPLING SITE: MACK RESIDENCE  
320 CENTER ST., OAKLAND 94607

Analysis for: volatile organic compounds Sample Spiked: HML No. 950113 Matrix: water

Matrix spike QC applicable to the following sample : HML #950113

COMPOUNDS (ANALYTES)	UNSPIKED HML No.	AMOUNT ADDED	AMOUNT FOUND	AMOUNT FOUND	AVERAGE AMOUNT FOUND	AVERAGE PERCENT RECOVERY	RPD	QUAN LIMIT
	#950113		SPIKE	DUPL				
***** Units	µg/L	µg/L	µg/L	µg/L	µg/L	%	%	µg/L
1,1-DICHLOROETHENE (QC Limits: 59% - 153%)	ND	50.0	69.4	73.8	71.6	143	6.14	5.00
BENZENE (QC Limits: 37% - 151%)	ND	50.0	49.4	50.8	50.1	100	2.79	5.00
TRICHLOROETHENE (QC Limits: 71% - 157%)	ND	50.0	45.7	46.8	46.3	92.6	2.38	5.00
TOLUENE (QC Limits: 47% - 150%)	ND	50.0	49.9	51.0	50.5	101	2.18	5.00
CHLOROBENZENE (QC Limits: 37% - 160%)	ND	50.0	51.4	54.1	52.8	106	5.11	5.00

Note: ND = not detected NA = not analyzed D = detected below quantitation limit.  
 Amount Found = (amount found in spiked sample - amount found in unspiked sample)

$$RPD = \text{Relative Percent Difference} = \frac{|RUN 1 - RUN 2|}{(RUN 1 + RUN 2)/2} \times 100$$

Comment: Sample HML #950113 is clear water sample. It was spiked at 50 micrograms per liter with spike standard analytes.

Analyst: Orlando Garbin Supervisor: William Lum

Signature: Orlando M. Garbin Date: 8/10/95

Signature: W.L. Date: 8-10-95

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Hazardous Materials Laboratory

LABORATORY REPORT

SURROGATE COMPOUND RECOVERY RESULTS

HML SAMPLE NUMBER(S): 950113  
 COLLECTOR'S NUMBER(S): MR001  
 COLLECTOR'S NAME: LYNN NAKASHIMA  
 SAMPLING SITE: MACK RESIDENCE  
320 CENTER ST., OAKLAND 94607

HML Sample Number	Description/ Col. Number	Matrix	% Recovery 1,2-dichloro-ethane-d4 [SURR. #1] <small>QC Limits: 76%-114%</small>	% Recovery d8-toluene [SURR. #2] <small>QC Limits: 88%-110%</small>	% Recovery 4-bromofluoro-benzene [SURR. #3] <small>QC Limits: 86%-115%</small>
BLANK	GCMS Method	water	90.2	97.0	91.4
BLANK	Storage	water	89.9	96.5	90.2
#950113	MR001	water	86.1	97.4	88.0
#950113	Matrix spike	water	87.3	99.8	92.3
#950113	Spike dupl.	water	89.1	98.3	91.4

COMMENTS:  
 Method blank and storage blank were spiked with surrogates at 50 micrograms per liter. Sample HML #950113 was spiked with surrogate compounds at 50 micrograms per liter.

Analyst: Orlando Garbin Signature: Orlando M. Garbin Date: 8/10/95  
 Supervising Chemist: William Lum Signature: William Lum Date: 8-10-95



## DEPARTMENT OF TOXIC SUBSTANCES CONTROL

## HAZARDOUS MATERIALS LABORATORY - GC/MS ANALYTICAL SECTION

## GC/MS ANALYTICAL REPORT FOR NON-TARGET COMPOUND ANALYSIS - VOLATILE ORGANIC ANALYSIS

HML SAMPLE NUMBER(S): 950113  
 COLLECTOR'S NUMBER(S): MR001  
 COLLECTOR'S NAME: LYNN NAKASHIMA  
 SAMPLING SITE: MACK RESIDENCE  
320 CENTER ST., OAKLAND 94607

METHOD: Initially each sample was analyzed for target volatile organic compounds by EPA Method 8240. A Tekmar Purge and Trap apparatus was used to isolate the volatile compounds. Mass spectra of chromatographic peaks which were not identified as target compounds were compared by a computer against 42,000 reference spectra in a mass spectral data base published by the National Bureau of Standards (NBS). Usually the resulting identification are tentative since pure reference compounds are often not available for direct comparison.

Page 1 of 1.

GC/MS REPORT FOR NON-TARGET COMPOUNDS ANALYSIS --- VOLATILE ORGANICS<sup>\*(item 3 & 4)</sup>

<u>HML No.</u>	<u>Collector's No.</u>	<u>Retention Time(min.)</u>	<u>Compounds Detected**</u>	<u>Estimated Conc. Level**<sup>4</sup></u> <u>µg/L</u>
950113	MR001 (water)	--	None detected	--

\*\*NON-TARGET COMPOUNDS ARE THOSE NOT CURRENTLY ON THE TARGET COMPOUND LIST FOR HML METHOD 8240. (See attached report for results of target compound analysis).

- NOTE: (1) Unknown exhibited mass spectral and chromatographic properties which were identical to those of authentic compound analyzed under identical conditions.  
 (2) Unknown exhibited some mass spectral and/or chromatographic properties which are consistent with proposed identity.  
 (3) Identification are tentative and are based on comparison of the sample mass spectra with 42,000 reference spectra in the EPA/NIH Mass Spectral Data Base compiled by the NBS.  
 (4) For comparison purposes, unknown non-target compound levels are estimated based on the RIC area of the unknown chromatographic peak relative to the RIC area of internal standard used in the GC/MS analyses, usually bromochloromethane, 1,4-difluorobenzene or chlorobenzene-d5.

ANALYST SIGNATURE: Orlando Garbin *Orlando Garbin* DATE: 8/10/95

SIGNATURE OF SUPERVISING CHEMIST: William S. Lum *William S. Lum* DATE: 8-10-95

<b>HAZARDOUS MATERIALS SAMPLE ANALYSIS REQUEST</b>	1. Authorization Number	HML No. <u>950113</u>	2. Page
	<u>HML 2597</u>	To <u>950119</u>	<u>1</u> of <u>1</u>

3. Requester: <u>Nakashima, Lynn</u>	4. Phone <u>(510)540-3839</u>	5. Priority Level: 1 <u>(2)</u> 3
Address (To Receive Results): <u>700 Heinz Ave, Suite 200</u>		a. Authorized by _____

6. Date Sampled <u>8/8/95</u>	7. Time Sampled <u>10:15</u> Hours	8. Codes (fill in all applicable codes)
-------------------------------	------------------------------------	---

9. Activity:  SEB  SMB  FPB  FMB  HQ  OTHER

10. SAMPLING LOCATION	a. EPA ID No.
b. Site <u>B200 at Mack Residence</u>	
c. Address <u>320 Center Oakland 94607</u>	
Number Street City Zip	

a. STC	<u>11050</u>
b. Region	<u>2</u>
c. INDEX	<u>5200</u>
d. PCA	<u>11005</u>
e. MPC	
f. SITE	
g. County	<u>012</u>

11. SAMPLES						
a. ID	b. Collector's No.	c. Lab No.	Sample d. Type	Container e. Type	f. Size	g. Field Information
A	<u>MR001</u>	<u>950113</u>	<u>W</u>	<u>2xVOA</u>	<u>2x40ml</u>	<u>Tap water</u>
B	<u>MR002</u>	<u>950114</u>	<u>W</u>	<u>4oz Glass</u>	<u>1 pint</u>	<u>↓</u>
C	<u>MR003</u>	<u>950115</u>	<u>Soil</u>	<u>2oz Glass</u>	<u>32oz</u>	<u>Soil, backyard</u>
D	<u>MR004</u>	<u>950116</u>	<u>Soil</u>	↓	↓	↓
E	<u>MR005</u>	<u>950117</u>	<u>Soil</u>	↓	↓	↓
F	<u>MR006</u>	<u>950118</u>	<u>Soil</u>	↓	↓	↓
G	<u>MR007</u>	<u>950119</u>	<u>Soil</u>	↓	↓	↓
H						

12. ANALYSIS REQUESTED		
a. <input type="checkbox"/> pH	f. <input type="checkbox"/> VOA-8020	i. <input type="checkbox"/> Flash Point
b. <input checked="" type="checkbox"/> Metal Scan <u>B, C, D, E, F, G</u>	g. <input type="checkbox"/> VOA-H/S	m. <input type="checkbox"/> C1-Pesticides
c. <input type="checkbox"/> Metals (Spec)	h. <input checked="" type="checkbox"/> VOA-8240 <u>MR001</u>	n. <input type="checkbox"/> OP-Pesticides
d. <input type="checkbox"/> W.E.T.	i. <input type="checkbox"/> VOA-8260	o. <input checked="" type="checkbox"/> <u>8080</u> <u>C, D, E, F, G</u>
e. <input type="checkbox"/> VOA-8010	j. <input type="checkbox"/> SVO-8270	p. <input type="checkbox"/>
	k. <input type="checkbox"/> Diesel/Gasoline	q. <input type="checkbox"/>

13. SPECIAL REMARKS: \_\_\_\_\_

14. SUPPLEMENTAL REQUESTS	Initials _____
	Date _____

15. CHAIN OF CUSTODY		
a. <u>Lynn Nakashima</u> Signature	Lynn Nakashima / HSS Name/Title	8, 8, 95, 8-8/95 Inclusive Dates
b. <u>Terana Hannon</u> Signature	Terana Hannon / Lab Asst. Name/Title	08, 08, 95, / Inclusive Dates
c. _____ Signature	_____ Name/Title	_____ Inclusive Dates
d. _____ Signature	_____ Name/Title	_____ Inclusive Dates

Hazardous Materials/Lab. /  
GC/MS Group  
RECEIVED / /  
Inclusive Dates

16. LAB REMARKS: \_\_\_\_\_

AUG 9 1995  
California Department of  
Toxic Substances Control

FILED

California Environmental Protection Agency  
Department of Toxic Substances Control  
2151 Berkeley Way, Berkeley CA 94704  
Phone: (510) 540-3003 or (ATSS) 571-3003

HML #: 950113 to 950119  
Collector's #: MR 001  
to: MR 007  
Authoriz'n # : HML 2597

Laboratory Report for Metal Analysis

Collector's Name: LYNN NAKASHIMA  
Sample Location: MACK RESIDENCE  
320 CENTER, OAKLAND 94607

Date Collected: 8/08/95  
Date Received: 08/08/95  
Activity: SMB

ANALYTICAL PROCEDURE: Sample was digested with nitric acid over a hot plate. The digest is made to final volume with deionized water. Metals analyses of the digest is by ICPAES Ref. EPA #6010. Results for Arsenic, Lead and Selenium were confirmed by GFAAS. Units are in micrograms/L.

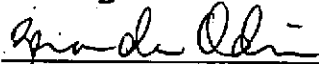
ANALYSIS: EPA Method # 7060 for As, #7421 for Pb & #7741 for Se.

REFERENCE: EPA Method #3005


HML Number : 950114  
Collector's No.: MR 002  
Sample Type : Water

As-Arsenic < 5.00  
Pb-Lead 6.34  
Se-Selenium < 5.00

Signatures:

  
Zenaida Odion  
Analyst

8/25/95  
Date

  
Milad S. Iskander  
Supervisor

8/25/95  
Date

net (aw) 8/25/95

California Environmental Protection Agency  
 Department of Toxic Substances Control  
 2151 Berkeley Way, Berkeley CA 94704  
 Phone: (510) 540-3003 or (ATSS) 571-3003

HML #: 950113 to: 950119  
 Collector's No.: MR 001  
 to: MR 007  
 Authoriz'n No.: HML 2597

Collector's Name: Lynn Nakashima  
 Sample Location: Mack Residence  
320 Center, Oakland 94607

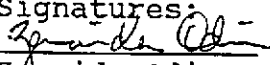
Date Collected: 08/08/95  
 Date Received: 08/08/95  
 Activity: SMB

ANALYSIS: EPA Method # 7060 for As, #7421 for Pb & #7741 for Se.  
 REFERENCE: EPA Method #3005 CONCENTRATION UNIT: ug/L


Quality Assurance Summary for GFAAS

1. Initial Calibration Verification	Reference Standard Source: Env. Express Lot# 590512 Exp. 6/'96	Determination	As	Pb	Se
		Found	4.16	11.7	4.46
		True	5.00	10.0	5.00
		% Recovery	83.2	117	89.2
	Method Blank		<5.00	<5.00	<5.00
2. Continuing Calibration Verification	Std Solution: Source: Env. Express Lot# 590512 Exp. 6/'96	Determination	As	Pb	Se
		Found	58.9	57.1	51.9
		True	50.0	50.0	50.0
		% Recovery	118	114	104
	Preparation Blank		<5.00	<5.00	<5.00
3. Spike Duplicate Result	Sample No. HML #950114 Matrix: Digest	Determination	As	Se	
		Spike Result A	9.54	9.30	
		Spike Result B	10.9	10.8	
		Spike Added	10.0	10.0	
		Sample Result	< 5.00	< 5.00	
4. Spike Recovery Result	Sample No. HML #950114 Matrix: Digest	% Recovery A	95.4	93.0	
		% Recovery B	109	108	
		% RPD	13.3	14.8	

Note: Method of standard addition was used for Lead.

Signatures:  
  
 Zenaida Odion  
 Analyst

8/25/95  
 Date

  
 Milad S. Iskander  
 Supervisor

8/25/95  
 Date

<b>HAZARDOUS MATERIALS SAMPLE ANALYSIS REQUEST</b>	1. Authorization Number	HML 2597	HML No. 950113	2. Page
			To 950119	1 of 1

3. Requester: <u>Nakashima, Lynn</u> Address (To Receive Results): <u>700 Heinz Ave, Suite 200</u>	4. Phone (510) <u>540-3839</u>	5. Priority Level: 1 <u>(2)</u> 3 a. Authorized by _____
---	--------------------------------	---

6. Date Sampled <u>8/8/95</u>	7. Time Sampled <u>10-15</u> Hours	8. Codes (fill in all applicable codes):
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9. Activity: <input type="checkbox"/> SEB <input checked="" type="checkbox"/> SMB <input type="checkbox"/> FPB <input type="checkbox"/> FMB <input type="checkbox"/> HQ <input type="checkbox"/> OTHER	a. STC <u>10510</u>
--	---------------------

10. SAMPLING LOCATION	b. Region <u>2</u>
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a. EPA ID No. _____	c. INDEX <u>5200</u>
---------------------	----------------------

b. Site <u>B20 ca Mack Residence</u>	d. PCA <u>11085</u>
--------------------------------------	---------------------

c. Address <u>320 Center Oakland 94607</u>	e. MPC _____
--	--------------

Number Street City Zip	f. SITE _____
------------------------	---------------

11. SAMPLES		Sample		Container		g. Field Information
a. ID	b. Collector's No.	c. Lab No.	d. Type	e. Type	f. Size	
A	MR001	950113	W	2xVOA	2x40ml	Tap water
B	MR002	950114	W	4x40mls	1 pint	↓
C	MR003	950115	Soil	8oz Glass	32oz	Soil, backyard
D	MR004	950116	Soil			↓
E	MR005	950117	Soil			↓
F	MR006	950118	Soil			↓
G	MR007	950119	Soil			↓
H						

12. ANALYSIS REQUESTED		f. <input type="checkbox"/> VOA-8020 _____	i. <input type="checkbox"/> Flash Point _____
a. <input type="checkbox"/> pH _____	g. <input type="checkbox"/> VOA-H/S _____	m. <input type="checkbox"/> C1-Pesticides _____	
b. <input checked="" type="checkbox"/> Metal Scan <u>B,C,D,E,F,G</u>	h. <input checked="" type="checkbox"/> VOA-8240 <u>MR001A</u>	n. <input type="checkbox"/> OP-Pesticides _____	
c. <input type="checkbox"/> Metals (Spec) _____	i. <input type="checkbox"/> VOA-8260 _____	o. <input checked="" type="checkbox"/> <u>8080</u> C,D,E,F,G	
d. <input type="checkbox"/> W.E.T. _____	j. <input type="checkbox"/> SVO-8270 _____	p. <input type="checkbox"/> _____	
e. <input type="checkbox"/> VOA-8010 _____	k. <input type="checkbox"/> Diesel/Gasoline _____	q. <input type="checkbox"/> _____	

13. SPECIAL REMARKS: \_\_\_\_\_

14. SUPPLEMENTAL REQUESTS: _____	Initials: _____
_____	Date: _____

15. CHAIN OF CUSTODY		
a. <u>Lynn Nakashima</u> Signature	Lynn Nakashima / HSS Name/Title	8, 8 / 95, 8-8/95 Inclusive Dates
b. <u>Terana Hannon</u> Signature	Terana Hannon / Lab Asst. Name/Title	08, 08 / 95, / / Inclusive Dates
c. _____ Signature	_____ Name/Title	/ / - / / Inclusive Dates
d. _____ Signature	_____ Name/Title	/ / - / / Inclusive Dates

16. LAB REMARKS: \_\_\_\_\_

California Department of Toxic Substances Control  
**HAZARDOUS MATERIALS LABORATORY**  
 2151 Berkeley Way, Berkeley ; CA 94704, Ph (510)540-3101  
 Laboratory Report For...Polychlorinated Biphenyls

HML # 950113  
 to 950119

Page 1 of 4

Collector: Nakashima, Lynn  
 Sampling Location: Mack Residence  
320 Center  
Oakland 94607

Date Collected: 08/08/95  
 Date Lab recvd: 08/08/95  
 Date Extracted: 08/10/95  
 Date Analyzed: 08/14/95  
 Extraction Meth.: EPA 3550

Extraction Holding Time Met?: yes  
 Analysis Holding Time Met?: yes

Extraction Methods: EPA 3510 -- For aqueous samples -- Separatory funnel extraction with methylene chloride. Solvent exchange to hexane.  
 EPA 3550 -- For solid samples -- Sonication extraction with hexane/acetone(1:1). Solvent exchange to hexane.  
 EPA 3580 -- For oils & organic liquid samples -- Solvent dilution with hexane.  
 Cleanup Method: EPA 600/4-81-045 Concentrated sulfuric acid wash.  
 Analytical Method: EPA 8081-- Analysis by DB5 megabore capillary column and electron capture detection.

HML Number : --->		950115	950116	950117	950118	Method Blank	QL
Collector's Sample Number:		MR003	MR004	MR005	MR006		
Sulfuric Acid Cleanup ?:		Yes	Yes	Yes	Yes	Yes	
Sample Matrix:		Soil	Soil	Soil	Soil	Solvent	
Units: --->		mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg
Compound	CAS #						
Aroclor 1016	12674-11-2	ND	ND	ND	ND	ND	2.00
Aroclor 1221	11104-28-2	ND	ND	ND	ND	ND	2.00
Aroclor 1232	11141-16-5	ND	ND	ND	ND	ND	2.00
Aroclor 1242	53469-21-9	ND	ND	ND	ND	ND	2.00
Aroclor 1248	12672-29-6	ND	ND	ND	ND	ND	2.00
Aroclor 1254	11097-69-1	ND	ND	ND	ND	ND	2.00
Aroclor 1260	11096-82-5	ND	ND	ND	ND	ND	2.00
Aroclor 1262	37324-23-5	ND	ND	ND	ND	ND	2.00

Surrogate Standard Recovery: Unit: Percent

Decachlorobiphenyl	88	123	130	134	86	0.2
--------------------	----	-----	-----	-----	----	-----

Note: QL = Quantitation Limit = Lowest calibration standard x dilution factor.

ND = Not detected

NA = Not analyzed

D = Detected but below QL.

Comments:

Analyst: Yalun Chew  
 Supervisor: Jarnail S. Garcha

Signature: *Yalun Chew*  
 Signature: *J. Garcha*

Date: 8-21-95  
 Date: 8/21/95

qpro/pcb/950115S

California Department of Toxic Substances Control  
 HAZARDOUS MATERIALS LABORATORY  
 2151 Berkeley Way, Berkeley ; CA 94704, Ph (510)540-3101  
 Laboratory Report For...Polychlorinated Biphenyls

HML # 950113  
 to 950119

Page 2 of 4

Collector: Nakashima, Lynn  
 Sampling Location: Mack Residence  
320 Center  
Oakland 94607

Date Collected: 08/08/95  
 Date Lab recvd: 08/08/95  
 Date Extracted: 08/10/95  
 Date Analyzed: 08/14/95  
 Extraction Meth.: EPA 3550  
 Extraction Holding Time Met?: yes  
 Analysis Holding Time Met?: yes

Extraction Methods: EPA 3510 -- For aqueous samples -- Separatory funnel extraction with methylene chloride. Solvent exchange to hexane.  
 EPA 3550 -- For solid samples -- Sonication extraction with hexane/acetone(1:1). Solvent exchange to hexane.  
 EPA 3580 -- For oils & organic liquid samples -- Solvent dilution with hexane.  
 Cleanup Method: EPA 600/4-81-045 Concentrated sulfuric acid wash.  
 Analytical Method: EPA 8081-- Analysis by DB5 megabore capillary column and electron capture detection.

HML Number : -->		950119					
Collector's Sample Number:		MR007					QL
Sulfuric Acid Cleanup ?:		Yes					
Sample Matrix:		Soil					
Units: -->		mg/Kg					mg/Kg
Compound	CAS #						
Aroclor 1016	12674-11-2	ND					2.00
Aroclor 1221	11104-28-2	ND					2.00
Aroclor 1232	11141-16-5	ND					2.00
Aroclor 1242	53469-21-9	ND					2.00
Aroclor 1248	12672-29-6	ND					2.00
Aroclor 1254	11097-69-1	ND					2.00
Aroclor 1260	11096-82-5	ND					2.00
Aroclor 1262	37324-23-5	ND					2.00

Surrogate Standard Recovery: Unit: Percent

Decachlorobiphenyl	105				0.2
--------------------	-----	--	--	--	-----

Note: QL = Quantitation Limit = Lowest calibration standard x dilution factor.

ND = Not detected

NA = Not analyzed

D = Detected but below QL

Comments:

Analyst: Yalun Chew  
 Supervisor: Jarnail S. Garcha

Signature: Yalun Chew  
 Signature: J. Garcha

Date: 8-21-95  
 Date: 8/21/95

qpro/pcb/950119S

Laboratory Quality Control Report  
 Matrix Spike / Matrix Spike Duplicate

Requestor: Nakashima, Lynn  
 Sampling location: Mack Residence  
320 Center  
Oakland 94607

For samples collected on: 08/08/95  
 QC sample extraction date: 08/10/95  
 QC sample analysis date: 08/14/95  
 Extraction method no.: EPA#3550  
 Cleanup method no.: EPA600/4-81/045  
 Analysis method no.: EPA8081

Analysis for: Polychlorinated Biphenyls

Matrix spike performed on: 950115

Matrix: <u>soil</u>	Spike Added mg/Kg	Sample Conc. * mg/Kg	MS Conc. ** mg/Kg	MSD Conc. ** mg/Kg	QL mg/Kg	MS Recovery %	MSD Recovery %	Mean Recovery %	RPD %	Control Limits		
										Mean Recov.		RPD
										Min. %	Max. %	Max. %
Aroclor 1254	10.0	D	9.60	10.5	2.00	96.0	105	100	8.96			
Decachlorobiphenyl	1.00	NA	1.03	1.05	0.2	103	105	104	1.92			

Comments:

MS = matrix spike; MSD = matrix spike duplicate  
 \* Concentration in the unspiked sample (background).  
 \*\* MS conc. or MSD conc. = (background + spike) - background  
 QL = quantitation limit = lowest calibration standard x dilution factor  
 MS or MSD Recovery = (MS or MSD conc.)/(spike added) x 100%  
 RPD = absolute value of (MS conc. - MSD conc.)/[(MS conc. + MSD conc.)/2] x 100  
 D = detected but below QL  
 ND = not detected  
 NR = not recovered  
 N/A = not applicable (see comments).  
 (x) = estimated value  
 @ Mean matrix spike recovery is outside of the mean recovery control limits. (Not determined Yet)  
 # The precision exceeds the upper RPD control limit. (Not determined Yet)

Analyst: Yalun Chew  
 Sup'vr: Jamail S. Garcha

[Signature]  
 Signature

8-21-95  
8/21/95  
 Date



Laboratory Quality Control Report  
 Method Standard Recovery

Requestor: Nakashima, Lynn  
 Sampling location: Mack Residence  
320 Center  
Oakland 94607

For samples collected: 08/08/95  
 QC Sample extraction date: 08/10/95  
 QC Sample analysis date: 08/14/95  
 Extraction method no.: EPA 3550  
 Cleanup method EPA600/4-81/045  
 Analysis method no.: EPA8081

Analysis for: Polychlorinated Biphenyls

Matrix: Spiked Method Blank for Soil	Spike Added mg/Kg	Method Blank Result mg/Kg	Spike Recovery ** mg/Kg	QL mg/Kg	Spike Recovery %	Recovery Control Limits	
						Min. %	Max. %
Aroclor 1254	10.0	ND	9.15	2.00	91.5		
Decachlorobiphenyl	1.00		0.931	0.20	93.1		
Comments:							

QL = quantitation limit = lowest calibration standard x dilution factor  
 D = detected but below QL  
 ND = not detected  
 NR = not recovered  
 N/A = not applicable (see comments).  
 (x) = estimated value  
 \*\* Method blank result is not used to correct the method standard spike recovery  
 @ Method standard spike recovery is outside of the recovery control limits. (Not determined yet).

Analyst: Yalun Chew

Sup'vsr: Jarnail S. Garcha

*Yalun Chew*  
*J S Garcha*  
 Signature

8-21-95  
8/21/95  
 Date

<b>HAZARDOUS MATERIALS SAMPLE ANALYSIS REQUEST</b>	1. Authorization Number	HML 2597	HML No. 950113	2. Page
			To 950119	1 of 1

3. Requester: Nakashima, Lynn 4. Phone (510) 540-3839  
 Address (To Receive Results): 700 Heinz Ave, Suite 200

5. Priority Level: 1 (2) 3  
 a. Authorized by \_\_\_\_\_

6. Date Sampled 8/8/95 7. Time Sampled 10-15 Hours

8. Codes (fill in all applicable codes).

9. Activity:  SEB  SMB  FPB  FMB  HQ  OTHER

10. SAMPLING LOCATION

--	--	--	--	--	--	--	--	--	--

a. EPA ID No. \_\_\_\_\_

b. Site B220 ca Mack Residence

c. Address 320 Center Oakland 94607

Number Street City Zip

11. SAMPLES

a. ID	b. Collector's No.	c. Lab No.	Sample			g. Field Information
			d. Type	e. Type	f. Size	
A	MR001	950113	W	2xVOA	2x40ml	Tap water
B	MR002	950114	W	1xQuartz Glass	1 pint	Soil, backyard
C	MR003	950115	Soil	1xQuartz Glass	32oz	
D	MR004	950116	Soil			
E	MR005	950117	Soil			
F	MR006	950118	Soil			
G	MR007	950119	Soil			
H						

amber

12. ANALYSIS REQUESTED

a. <input type="checkbox"/> pH	f. <input type="checkbox"/> VOA-8020	i. <input type="checkbox"/> Flash Point
b. <input checked="" type="checkbox"/> Metal Scan <u>B, C, D, E, F, G</u>	g. <input type="checkbox"/> VOA-H/S	m. <input type="checkbox"/> C1-Pesticides
c. <input type="checkbox"/> Metals (Spec)	h. <input checked="" type="checkbox"/> VOA-8240 <u>MR001A</u>	n. <input type="checkbox"/> OP-Pesticides
d. <input type="checkbox"/> W.E.T.	i. <input type="checkbox"/> VOA-8260	o. <input checked="" type="checkbox"/> <u>8080 C, D, E, F, G</u>
e. <input type="checkbox"/> VOA-8010	j. <input type="checkbox"/> SVO-8270	p. <input type="checkbox"/>
	k. <input type="checkbox"/> Diesel/Gasoline	q. <input type="checkbox"/> % dry solids

13. SPECIAL REMARKS: \_\_\_\_\_

14. SUPPLEMENTAL REQUESTS

<input type="checkbox"/>	<input type="checkbox"/>	Initials: _____
<input type="checkbox"/>	<input type="checkbox"/>	Date: _____

15. CHAIN OF CUSTODY

a. <u>Lynn Nakashima</u> Signature	Lynn Nakashima / HSS Name/Title	8, 8 / 95, 8-8-95 Inclusive Dates
b. <u>Terana Hannon</u> Signature	Terana Hannon / Lab Asst. Name/Title	08, 08 / 95, / Inclusive Dates
c. _____ Signature	_____ Name/Title	/ / - / - / Inclusive Dates
d. _____ Signature	_____ Name/Title	/ / - / - / Inclusive Dates

16. LAB REMARKS: \_\_\_\_\_

California Environmental Protection Agency  
Department of Toxic Substances Control  
Hazardous Materials Laboratory (Inorganic Section)  
2151 Berkeley Way, Berkeley, CA 94704

HML #: 950114 to  
950119

Phone: (510) 540-3003 or (ATSS) 571-3003

Collector's Name: LYNN NAKASHIMA/HSS  
Site of Sampling: MACK RESIDENCE  
320 CENTER  
OAKLAND 94607

Auth. No.: HML2597  
Activity: SMB  
Date Collected: 08/08/95  
Date Received: 08/08/95

Analytical Procedure: EPA-SW 846  
Samples are digested with 1:1 HNO<sub>3</sub> (and 30% H<sub>2</sub>O<sub>2</sub>, and 1:1 HCl, if applicable) over a hot plate. Digests are cooled, filtered and made to final volume with deionized H<sub>2</sub>O. Metal analysis of the digests is by ICPAES (EPA #6010). Units are micrograms/L.

Method: 3050 for solids; 3010 for liquids; 3005 for clean water.

HML Number: 950114  
Collector's Sample No.: MR002  
Sample Type: WATER

As-Arsenic	* <30.0
Ba-Barium	6.69
Cd-Cadmium	<2.00
Cr-Chromium	<15.0
Cu-Copper	<4.99
Pb-Lead	* <25.0
Se-Selenium	* <40.0
Zn-Zinc	25.1

\* Results will be confirmed by ~~FAAS~~ AAS.

Notes: < = below detection limit of method.

Merlyn de Guzman  
ICP Analyst,  
Merlyn de Guzman

8/16/95  
Date

Zenaida Odion  
Chemist's Signature  
Zenaida Odion, Chemist

8/17/95  
Date

Milad S. Iskander  
Milad S. Iskander, Supervisor

8/21/95  
Date

JH (Reviewed) 8/18/95

California Environmental Protection Agency  
 Department of Toxic Substances Control  
 Hazardous Materials Laboratory (Inorganic Section)  
 2151 Berkeley Way, Berkeley, CA 94704

HML #: 950114 to  
 950119

Phone: (510) 540-3003 or (ATSS) 571-3003

Collector's Name: LYNN NAKASHIMA/HSS  
 Site of Sampling: MACK RESIDENCE  
 320 CENTER  
 OAKLAND 94607

Auth. No.: HML2597  
 Activity: SMB  
 Date Collected: 08/08/95  
 Date Received: 08/08/95

Analytical Procedure: EPA-SW 846  
 Samples are digested with 1:1 HNO3 (and 30% H2O2, and 1:1 HCl, if applicable) over a hot plate. Digests are cooled, filtered and made to final volume with deionized H2O. Metal analysis of the digests is by ICPAES (EPA #6010). Units are mg/kg.

Method: 3050 for solids; 3010 for liquids; 3005 for clean water.

HML Number:	950115	950116	950117	950118	950119
Collector's					
Sample No.:	MR003	MR004	MR005	MR006	MR007
Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL
As-Arsenic	12.7	17.5	10.7	16.9	13.4
Ba-Barium	402	579	448	525	452
Be-Beryllium	0.55	0.56	0.70	0.58	0.53
Cd-Cadmium	4.19	4.89	4.53	8.05	4.90
Co-Cobalt	7.68	8.42	9.56	11.0	10.5
Cr-Chromium	41.0	43.0	41.0	46.0	162
Cu-Copper	143	162	156	193	183
Mo-Molybdenum	<3.75	<3.75	<3.75	<3.75	16.6
Ni-Nickel	34.8	41.5	44.8	48.5	119
Pb-Lead	828	2640	1510	1810	>8740
Se-Selenium	<7.50	<7.50	26.4	21.0	11.0
Tl-Thallium	<15.0	<15.0	34.3	43.5	23.0
V-Vanadium	29.4	31.3	35.6	34.4	29.0
Zn-Zinc	994	1270	1280	1690	1270

Notes: < = below detection limit of method.

> = beyond standard calibration curve;  
 (to be confirmed; an additional report will follow)

Merlyn de Guzman  
 ICP Analyst,  
 Merlyn de Guzman

8/16/95  
 Date

Zenaida Odion  
 Chemist's Signature  
 Zenaida Odion, Chemist

8/17/95  
 Date

Milad S. Iskander  
 Supervisor

8/21/95  
 Date

JH (Reviewed) 8/18/95

## Quality Assurance Summary for ICP

Element				Method Blank ug/L	Calibration Verification Standard ug/L			Duplicate Spiked Sample			HML No.: 950114		Matrix: Water	
	found	known	%		found	known	%	Spike Results ug/L			Unspiked Result (ug/L)	Spike Added (ug/L)	% Recovery	
								A:	B:	RPD			A:	B:
As-Arsenic				<30.0	262	250	105	218	223	2.27	<30.0	200	109	112
Ba-Barium				0.60	995	1000	99.5	202	205	1.47	6.69	200	97.0	99.0
Cd-Cadmium				<20.0	132	125	106	212	215	1.41	<2.0	200	106	108
Cr-Chromium				<15.0	53.7	50.0	107	206	209	1.44	<10.0	200	103	104
Cu-Copper				<5.0	117	125	93.6	186	188	1.07	<5.0	200	93.0	94.0
Pb-Lead				<30.0	134	125	107	209	217	3.75	<30.0	200	104	109
Se-Selenium				<40.0	128	125	102	195	216	10.2	<40.0	200	97.5	108
Zn-Zinc				14.0	108	100	108	243	239	1.66	30.0	200	107	104

Element				Reagent Blank ug/L	Inorganic Ventures Reference Standard mg/L			Duplicate Spiked Sample			HML No.:		Matrix:	
	found	known	%		found	known	%	Spike Results mg/kg			Unspiked Result (mg/kg)	Spike Added (mg/kg)	% Recovery	
								A:	B:	RPD			A:	B:
As-Arsenic				<30.0	1.05	1.00	105							
Ba-Barium				1.0	1.00	1.00	100							
Cd-Cadmium				<2.0	1.04	1.00	104							
Cr-Chromium				<15.0	1.02	1.00	102							
Cu-Copper				<5.0	1.01	1.00	101							
Pb-Lead				<30.0	1.03	1.00	103							
Se-Selenium				<40.0	1.03	1.00	103							
Zn-Zinc				<9.0	1.04	1.00	104							

ICP Analyst's Signature: Zenaida Odion  
 Chemist: Zenaida Odion  
 Date Analyzed: 08/16/95

Chemist's Signature: [Signature]

Milad S. Iskander, Supervisor

[Signature]

Date: 8/21/95

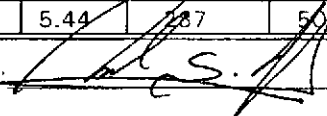
## Quality Assurance Summary for ICP

Element	HML Soil QC Sample			Method Blank	Calibration Verification Standard			Duplicate Spiked Sample			HML No.: 950119		Matrix: SOIL		
	mg/kg				mg/L	mg/L			Spike Results mg/kg			Unspiked Result (mg/kg)	Spike Added (mg/kg)	% Recovery	
	found	known	%			found	known	%	A:	B:	RPD			A:	B:
As-Arsenic	64.1	59.9	107	<0.10	10.4	10.0	104	513	525	2.08	13.4	500	99.9	102	
Ba-Barium	44.6	39.9	112	<0.005	9.42	10.0	94.2	863	851	2.96	452	500	82.2	79.8	
Be-Beryllium	21.9	20.3	108	<0.003	1.97	2.00	98.5	102	103	0.99	0.53	100	101	102	
Cd-Cadmium	26.0	24.5	106	<0.009	10.5	10.0	105	493	507	2.43	4.90	500	97.6	100	
Co-Cobalt	20.4	19.0	107	<0.05	10.5	10.0	105	497	509	2.44	10.5	500	97.3	99.7	
Cr-Chromium	56.6	53.5	106	<0.08	10.4	10.0	104	532	541	2.40	162	500	74.0	75.8	
Cu-Copper	34.6	31.0	112	<0.05	9.45	10.0	94.5	642	656	3.00	183	500	91.8	94.6	
Mo-Molybdenum	30.2	26.5	114	<0.08	10.2	10.0	102	481	493	2.55	16.6	500	92.9	95.3	
Ni-Nickel	35.2	33.5	105	<0.05	10.6	10.0	106	537	541	0.95	119	500	83.6	84.4	
Pb-Lead	31.4	29.4	107	<0.10	10.9	10.0	109	Sample result beyond instrument calibration.							
Se-Selenium	71.8	64.9	111	<0.15	10.1	10.0	101	514	529	2.93	11.0	500	101	104	
Tl-Thallium	127	108	118	<0.30	10.2	10.0	102	497	504	1.47	23.0	500	94.8	96.2	
V-Vanadium	38.9	33.9	115	<0.06	10.0	10.0	100	502	511	1.88	29.0	500	94.6	96.4	
Zn-Zinc	45.2	43.6	104	<0.05	11.1	10.0	111	1609	1691	21.4	1266	500	68.6	85.0	
Element	HML Liquid QC Sample			Reagent Blank	Inorganic Ventures Reference Standard			Duplicate Spiked Sample			HML No.: 950110		Matrix: SOLID		
	mg/kg				mg/L	mg/L			Spike Results mg/kg			Unspiked Result (mg/kg)	Spike Added (mg/kg)	% Recovery	
	found	known	%			found	known	%	A:	B:	RPD			A:	B:
As-Arsenic				<0.03	1.05	1.00	105	533	530	0.00	21.4	500	102	102	
Ba-Barium				0.001	1.00	1.00	100	890	871	3.99	404	500	97.2	93.4	
Be-Beryllium				<0.001	0.20	0.20	100	101	99.4	1.62	1.54	100	99.5	97.9	
Cd-Cadmium				<0.002	1.04	1.00	104	456	452	0.91	13.2	500	88.6	87.8	
Co-Cobalt				<0.010	1.03	1.00	103	492	489	0.68	47.6	500	88.9	88.3	
Cr-Chromium				<0.015	1.02	1.00	102	521	514	1.55	66.3	500	90.9	89.5	
Cu-Copper				<0.005	1.01	1.00	101	2478	2491	2.70	2003	500	95.0	97.6	
Mo-Molybdenum				<0.010	1.02	1.00	102	427	427	0.00	<3.75	500	85.4	85.4	
Ni-Nickel				<0.010	1.03	1.00	103	497	496	0.23	59.5	500	87.5	87.3	
Pb-Lead				<0.03	1.03	1.00	103	491	493	0.41	38.8	500	98.2	98.6	
Se-Selenium				<0.04	1.03	1.00	103	478	471	1.48	<7.50	500	95.6	94.2	
Tl-Thallium				<0.08	1.00	1.00	100	421	413	1.92	<15.0	500	84.2	82.6	
V-Vanadium				<0.010	1.00	1.00	100	559	555	0.89	106	500	90.6	89.8	
Zn-Zinc				<0.009	1.04	1.00	104	759	734	5.44	287	500	94.4	89.4	

ICP Analyst's Signature: Marilyn de Puyos  
 Chemist: Zenaida Odion  
 Date Analyzed: 08/16/95

Chemist's Signature: Z. Odion

Milad S. Iskander, Supervisor



Date: 8/21/95

<b>HAZARDOUS MATERIALS SAMPLE ANALYSIS REQUEST</b>	1. Authorization Number	HML No. <u>950113</u>	2. Page
	<u>HML 2597</u>	To <u>950119</u>	<u>1</u> of <u>1</u>

3. Requester: <u>Nakashima, Lynn</u>	4. Phone <u>(510) 540-3839</u>	5. Priority Level: 1 <u>(2)</u> 3
Address (To Receive Results): <u>700 Heinz Ave, Suite 200</u>		a. Authorized by _____

6. Date Sampled <u>8/8/95</u>	7. Time Sampled <u>10:15</u> Hours	8. Codes (fill in all applicable codes)
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9. Activity: <input type="checkbox"/> SEB <input checked="" type="checkbox"/> SMB <input type="checkbox"/> FPB <input type="checkbox"/> FMB <input type="checkbox"/> HQ <input type="checkbox"/> OTHER	a. STC <u>1050</u>
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10. SAMPLING LOCATION	b. Region <u>2</u>
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a. EPA ID No.	c. INDEX <u>5200</u>
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b. Site <u>B200 ca Mack Residence</u>	d. PCA <u>11005</u>
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c. Address <u>320 Center Oakland 94607</u>	e. MPC
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f. SITE	g. County <u>02</u>
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11. SAMPLES						
a. ID	b. Collector's No.	c. Lab No.	Sample d. Type	Container e. Type f. Size		g. Field Information
A	<u>MR001</u>	<u>950113</u>	<u>W</u>	<u>2xVOA</u>	<u>2x40ml</u>	<u>Tap water</u>
B	<u>MR002</u>	<u>950114</u>	<u>W</u>	<u>1 Quart Glass</u>	<u>1 pint</u>	<u>↓</u>
C	<u>MR003</u>	<u>950115</u>	<u>Soil</u>	<u>2 Quart Glass</u>	<u>32oz</u>	<u>Soil, backyard</u>
D	<u>MR004</u>	<u>950116</u>	<u>Soil</u>	↓	↓	↓
E	<u>MR005</u>	<u>950117</u>	<u>Soil</u>	↓	↓	↓
F	<u>MR006</u>	<u>950118</u>	<u>Soil</u>	↓	↓	↓
G	<u>MR007</u>	<u>950119</u>	<u>Soil</u>	↓	↓	↓
H						

12. ANALYSIS REQUESTED			f. <input type="checkbox"/> VOA-8020	i. <input type="checkbox"/> Flash Point
a. <input type="checkbox"/> pH	<u>B, C, D, E, F, G</u>	g. <input type="checkbox"/> VOA-H/S	m. <input type="checkbox"/> C1-Pesticides	
b. <input checked="" type="checkbox"/> Metal Scan	<u>MR001</u>	h. <input checked="" type="checkbox"/> VOA-8240 <u>MR001</u>	n. <input type="checkbox"/> OP-Pesticides	
c. <input type="checkbox"/> Metals (Spec)		i. <input type="checkbox"/> VOA-8260	o. <input checked="" type="checkbox"/> <u>8080</u> <u>C, D, E, F, G</u>	
d. <input type="checkbox"/> W.E.T.		j. <input type="checkbox"/> SVO-8270	p. <input type="checkbox"/>	
e. <input type="checkbox"/> VOA-8010		k. <input type="checkbox"/> Diesel/Gasoline	q. <input type="checkbox"/>	

13. SPECIAL REMARKS: \_\_\_\_\_

14. SUPPLEMENTAL REQUESTS	Initials _____
	Date _____

15. CHAIN OF CUSTODY		
a. <u>Lynn Nakashima</u> Signature	Lynn Nakashima / HSS Name/Title	8/8/95, 8-8-95 Inclusive Dates
b. <u>Terana Harmon</u> Signature	Terana Harmon / Lab Asst. Name/Title	08/08/95, / / Inclusive Dates
c. _____ Signature	_____ Name/Title	/ / - / / Inclusive Dates
d. _____ Signature	_____ Name/Title	/ / - / / Inclusive Dates

16. LAB REMARKS: \_\_\_\_\_

California Department of Toxic Substances Control  
 Hazardous Materials Laboratory  
 2151 Berkeley Way, Berkeley 94704, Ph. (510) 540-3003

HML # 950113  
 to: 950119

Laboratory Report  
 for  
 % Dry Solids Determination

Page: 1  
 of: 1

Requestor: Nakashima, Lynn  
 Sampling: Mack Residence  
 Location: 320 Center  
Oakland, CA 94607

Date Collected: 08-08-95  
 Date Received by Lab: 08-08-95  
 Date Analyzed: 08-11-95

Method Reference: HML 704-S

Procedure: A 5 to 10 gram portion of the sample was weighed and dried overnight (12-24 hrs) at 105 deg. C in a drying oven. After drying, the sample was allowed to cool in a desiccator before weighing.

HML Number	Collector's Number	Matrix	Dry Solids (%)
950115	MR003	Soil	96
950116	MR004	Soil	97
950117	MR005	Soil	92
950118	MR006	Soil	96
950119	MR007	Soil	90

Quality Control

Replicate analysis performed on HML sample no.: 950115  
 Matrix type: Soil

Dry Solids (%)			RPD
Replicate #1	Replicate #2	Mean	
96.0	96.0	96.0	0.021

% dry solids = (sample dry wt./sample wet wt.) x 100%

NA = not analyzed

RPD = relative % difference = absolute value of (repl. #1 - repl. #2)/mean x 100%

Comments:

Analyst: Kuo-In Chang

Kuo-In Chang

8-11-95

Supervisor: Jarnail Garcha

J. Garcha  
 Signature

8/11/95  
 Date



<b>HAZARDOUS MATERIALS SAMPLE ANALYSIS REQUEST</b>	1. Authorization Number <b>HML 2597</b>	HML No. <b>950113</b>	2. Page <b>1 of 1</b>
		To <b>950119</b>	

3. Requester: <b>Nakashima, Lynn</b>	4. Phone: <b>(510) 540-3839</b>	5. Priority Level: 1 <b>(2)</b> 3
Address (To Receive Results): <b>700 Heinz Ave, Suite 200</b>		a. Authorized by _____

6. Date Sampled <b>8/8/95</b>	7. Time Sampled <b>10-15</b> Hours	8. Codes (fill in all applicable codes):
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9. Activity:  SEB  SMB  FPB  FMB  HQ  OTHER

10. SAMPLING LOCATION	a. EPA ID No.
b. Site <b>BOD ca Mack Residence</b>	
c. Address <b>320 Center Oakland 94607</b>	
Number Street City Zip	

a. STC	10510
b. Region	2
c. INDEX	5200
d. PCA	11085
e. MPC	
f. SITE	
g. County	02

11. SAMPLES						
a. ID	b. Collector's No.	c. Lab No.	Sample d. Type	Container e. Type	f. Size	g. Field Information
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C	MR003	950115	Soil	3oz Glass	32oz	Soil, backyard
D	MR004	950116	Soil	↓	↓	↓
E	MR005	950117	Soil	↓	↓	↓
F	MR006	950118	Soil	↓	↓	↓
G	MR007	950119	Soil	↓	↓	↓
H						

12. ANALYSIS REQUESTED			f. <input type="checkbox"/> VOA-8020	i. <input type="checkbox"/> Flash Point
a. <input type="checkbox"/> pH	g. <input type="checkbox"/> VOA-H/S	m. <input type="checkbox"/> C1-Pesticides		
b. <input checked="" type="checkbox"/> Metal Scan <b>B, C, D, E, F, G</b>	h. <input checked="" type="checkbox"/> VOA-8240 <b>MR001</b>	n. <input type="checkbox"/> OP-Pesticides		
c. <input type="checkbox"/> Metals (Spec)	i. <input type="checkbox"/> VOA-8260	o. <input checked="" type="checkbox"/> <b>8080 C, D, E, F, G</b>		
d. <input type="checkbox"/> W.E.T.	j. <input type="checkbox"/> SVO-8270	p. <input type="checkbox"/>		
e. <input type="checkbox"/> VOA-8010	k. <input type="checkbox"/> Diesel/Gasoline	q. <input type="checkbox"/> % Dry Solids		

13. SPECIAL REMARKS: \_\_\_\_\_

14. SUPPLEMENTAL REQUESTS	Initials: _____
	Date: _____

15. CHAIN OF CUSTODY		
a. <u>Lynn Nakashima</u> Signature	Lynn Nakashima / HSS Name/Title	8/8/95, 8-8/95 Inclusive Dates
b. <u>Terana Hannon</u> Signature	Terana Hannon / Lab Asst. Name/Title	08/08/95 / / Inclusive Dates
c. _____ Signature	_____ Name/Title	/ / - / / Inclusive Dates
d. _____ Signature	_____ Name/Title	/ / - / / Inclusive Dates

16. LAB REMARKS: \_\_\_\_\_