



DEPARTMENT OF ENVIRONMENTAL HEALTH  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577  
(510) 567-6777

ALAMEDA COUNTY ENVIRONMENTAL HEALTH LABORATORY

Certification No. 1816

Laboratory No: 96-050

Sample Identification: Former Ramos Property, 5293 Crow Canyon Road,  
Castro Valley, CA

Analysis Requested By: ~~Madhulla Logan/Amy Leech~~ *Robert Kuening*

Date Collected: 7/25/96

Collected By: Scott Ferriman

Date Received: 7/25/96

Received By: D. Wong

Analysis Requested: Metals: As, Cd, Cr, Cu, Ni, Pb, Zn. Total Oil &  
Grease, Polynuclear Aromatic Hydrocarbons.

Background Information: 3 soil samples taken from the above location.

ANALYTICAL RESULTS

<u>Parameter</u>	<u>Observation or Results</u>
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See Attached Sheet

Conclusion: Metal results and Total Oil & Grease indicated on attached sheets. Samples were forwarded to the State Hazardous Material Laboratory in Berkeley for analysis of arsenic and polynuclear aromatic hydrocarbons.

Date Analysis Completed: 8/13/96

Chemist: N. Leung

Approved: *D.V.S.*

Distribution: Amy Leech, Jun Makishima.

LABORATORY NUMBER: 96-050  
SAMPLE NUMBER: STKP-(A-C)  
CLIENT: FORMER RAMOS PROPERTY  
5293 CROW CANYON ROAD  
CASTRO VALLEY, CA

DATE SAMPLED: 7/25/96  
DATE RECEIVED: 7/25/96  
DATE REPORTED: 8/13/96

=====  
ANALYSIS: TOTAL OIL & GREASE  
ANALYSIS METHOD: SOXHLET EXTRACTION 5520 E  
=====

LAB ID	SAMPLE ID	TOTAL OIL & GREASE
96-050-1	STKP-A	ND(0.1%)
96-050-2	STKP-B	0.2%
96-050-3	STKP-C	ND(0.1%)

ND=NOT DETECTED AT OR ABOVE THE REPORTING LIMIT.  
REPORTING LIMIT INDICATED IN PARENTHESIS.

QA/QC SUMMARY  
=====  
RPD % 0.1  
RECOVERY % 109  
=====

LABORATORY NUMBER: 96-050-1  
 SAMPLE NUMBER: STKP-A  
 CLIENT: FORMER RAMOS PROPERTY  
 5293 CROW CANYON ROAD  
 CASTRO VALLEY, CA

DATE SAMPLED: 7/25/96  
 DATE RECEIVED: 7/25/96  
 DATE REPORTED: 8/13/96

METAL ANALYSIS RESULTS  
 DIGESTION METHOD: 3050

METAL	RESULT TTLC mg/kg	TTLC LIMIT mg/kg	STLC LIMIT mg/kg	METHOD
Cadmium	1	100	1.0	EPA 7130
Chromium	72	2,500	560	EPA 7210
Copper	23	2,500	25	EPA 7190
Lead	132	1,000	5.0	EPA 7420
Nickel	53	2,000	20	EPA 7520
Zinc	46	5,000	250	EPA 7950

QA/QC SUMMARY

	RPD, %	RECOVERY, %
Cadmium	2	98
Chromium	32	113
Copper	23	116
Lead	6	113
Nickel	10	100
Zinc	0	100

LABORATORY NUMBER: 96-050-2  
 SAMPLE NUMBER: STKP-B  
 CLIENT: FORMER RAMOS PROPERTY  
 5293 CROW CANYON ROAD  
 CASTRO VALLEY, CA

DATE SAMPLED: 7/25/96  
 DATE RECEIVED: 7/25/96  
 DATE REPORTED: 8/13/96

METAL ANALYSIS RESULTS  
 DIGESTION METHOD: 3050

METAL	RESULT TTLC mg/kg	TTLC LIMIT mg/kg	STLC LIMIT mg/kg	METHOD
Cadmium	1	100	1.0	EPA 7130
Chromium	69	2,500	560	EPA 7210
Copper	22	2,500	25	EPA 7190
Lead	24	1,000	5.0	EPA 7420
Nickel	35	2,000	20	EPA 7520
Zinc	59	5,000	250	EPA 7950

QA/QC SUMMARY

	RPD, %	RECOVERY, %
Cadmium	2	98
Chromium	32	113
Copper	23	116
Lead	6	113
Nickel	10	100
Zinc	0	100

LABORATORY NUMBER: 96-050-3  
 SAMPLE NUMBER: STKP-C  
 CLIENT: FORMER RAMOS PROPERTY  
 5293 CROW CANYON ROAD  
 CASTRO VALLEY, CA

DATE SAMPLED: 7/25/96  
 DATE RECEIVED: 7/25/96  
 DATE REPORTED: 8/13/96

METAL ANALYSIS RESULTS  
 DIGESTION METHOD: 3050

METAL	RESULT TTLC mg/kg	TTLC LIMIT mg/kg	STLC LIMIT mg/kg	METHOD
Cadmium	1	100	1.0	EPA 7130
Chromium	90	2,500	560	EPA 7210
Copper	36	2,500	25	EPA 7190
Lead	21	1,000	5.0	EPA 7420
Nickel	43	2,000	20	EPA 7520
Zinc	77	5,000	250	EPA 7950

QA/QC SUMMARY

	RPD, %	RECOVERY, %
Cadmium	2	98
Chromium	32	113
Copper	23	116
Lead	6	113
Nickel	10	100
Zinc	0	100

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

HML #: 96015  
96015.

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

Collector's Name: NEWTON LEUNG  
Site of Sampling: FORMER RAMOS PROPERTY  
5293 CROW CANYON ROAD  
CASTRO VALLEY

Auth. No.: HMM2933  
Activity: OTHERS  
Date Collected: 07/25/96  
Date Received: 07/31/96

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 mg/kg.

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

HML Number:	960151	960152	960153
Collector's			
Sample No.:	STKP-A	STKP-B	STKP-C
Sample Type:	SOIL	SOIL	SOIL
As-Arsenic	<5.00	<5.00	<5.00

Notes: < = below detection limit of method.

Merlyn de Guzman  
ICP Analyst,  
Merlyn de Guzman

8/22/96  
Date

Zaida Ilejay  
Chemist's Signature  
Zaida R. Ilejay, Chemist

8/22/  
Date

Milad S. Iskander  
Milad S. Iskander, Supervisor

8/23/96  
Date

mLCKW.) 8/23/96

California Department of Toxic Substances Control  
 Hazardous Materials Laboratory  
 Inorganic Section


HML Number: 960151  
 to 960153

## Quality Assurance Summary for ICP

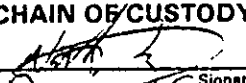

Element	HML Soil QC Sample			Method Blank	Calibration Verification Standard			Duplicate Spiked Sample			HML No.: 960153		Matrix: SOIL		
	mg/kg				mg/L	mg/L			Spike Results mg/kg			Unspiked Result (mg/kg)	Spike Added (mg/kg)	% Recovery	
	found	known	%			found	known	%	A:	B:	RPD			A:	B:
As-Arsenic	63.1	59.9	105	<0.04	1.02	1.00	102	428	427	0.23	<5.00	500	85.6	85.4	
Element	HML Liquid QC Sample			Reagent Blank	Inorganic Ventures Reference Standard			Duplicate Spiked Sample			HML No.: 960153		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				<0.04	10.1	10.0	101								

ICP Analyst's Signature: \_\_\_\_\_  
 Chemist: Zaida R. Ilejay  
 Date Analyzed: 08/22/96

Chemist's Signature: Zaida Ilejay

Milad S. Iskander, Supervisor: 

Date: 8/23/96

<b>HAZARDOUS MATERIALS SAMPLE ANALYSIS REQUEST</b>		1. Authorization Number <b>H M M 2 9 3 3</b>	HML No. <b>960151</b> To <b>960153</b>	2. Page 1 of 1																																																											
3. Requester: <b>NEWTON LEUNG</b> Address (To Receive Results): <b>1131 HARBOR BAY PARKWAY ALAMEDA, CA 94502</b>		4. Phone (SIC) <b>567-6815</b>		5. Priority Level: 1 2 <b>3</b>																																																											
6. Date Sampled <b>7/25/96</b>		7. Time Sampled <b>10:50</b> Hours		8. Codes (fill in all applicable codes) a. STC <table border="1" style="display: inline-table;"><tr><td>3</td><td>0</td><td>0</td><td>0</td></tr><tr><td>0</td><td>2</td><td></td><td></td></tr><tr><td>6</td><td>1</td><td>1</td><td>0</td></tr><tr><td>3</td><td>6</td><td>2</td><td>0</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table> b. Region <table border="1" style="display: inline-table;"><tr><td>0</td><td>2</td><td></td><td></td></tr></table> c. INDEX <table border="1" style="display: inline-table;"><tr><td>6</td><td>1</td><td>1</td><td>0</td></tr></table> d. PCA <table border="1" style="display: inline-table;"><tr><td>3</td><td>6</td><td>2</td><td>0</td><td>0</td></tr></table> e. MPC <table border="1" style="display: inline-table;"><tr><td></td><td></td><td></td><td></td><td></td></tr></table> f. SITE <table border="1" style="display: inline-table;"><tr><td></td><td></td><td></td><td></td><td></td></tr></table> g. County <table border="1" style="display: inline-table;"><tr><td>0</td><td>1</td><td></td><td></td></tr></table>	3	0	0	0	0	2			6	1	1	0	3	6	2	0																	0	2			6	1	1	0	3	6	2	0	0											0	1		
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9. Activity: <input type="checkbox"/> SEB <input type="checkbox"/> SMB <input type="checkbox"/> FPB <input type="checkbox"/> FMB <input type="checkbox"/> HQ <input checked="" type="checkbox"/> OTHER		10. SAMPLING LOCATION <table border="1" style="display: inline-table;"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> a. EPA ID No. _____ b. Site <b>FORMER RAMOS PROPERTY</b> c. Address <b>5293 CROW CANYON ROAD CASTRO VALLEY 9</b> <small>Number Street City Zip</small>																																																													
11. SAMPLES																																																															
a. ID	b. Collector's No.	c. Lab No.	d. Type	e. Type	f. Size	g. Field Information																																																									
A	STKP-A	960151	SOIL	SOIL TUBES																																																											
B	STKP-B	960152	SOIL	SOIL TUBES																																																											
C	STKP-C	960153	SOIL	SOIL TUBES																																																											
D																																																															
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12. ANALYSIS REQUESTED																																																															
a. <input type="checkbox"/> pH _____		f. <input type="checkbox"/> VOA-8020 _____		i. <input type="checkbox"/> Flash Point _____																																																											
b. <input type="checkbox"/> Metal Scan _____		g. <input type="checkbox"/> VOA-H/S _____		m. <input type="checkbox"/> C1-Pesticides _____																																																											
c. <input checked="" type="checkbox"/> Metals (Spec) <b>A, B, C ARSENIC</b>		h. <input type="checkbox"/> VOA-8240 _____		n. <input type="checkbox"/> OP-Pesticides _____																																																											
d. <input type="checkbox"/> W.E.T. _____		i. <input type="checkbox"/> VOA-8260 _____		o. <input type="checkbox"/> _____																																																											
e. <input type="checkbox"/> VOA-8010 _____		j. <input checked="" type="checkbox"/> SVO-8270 <b>A, B, C</b>		p. <input type="checkbox"/> _____																																																											
		k. <input type="checkbox"/> Diesel/Gasoline _____		q. <input type="checkbox"/> _____																																																											
13. SPECIAL REMARKS: _____																																																															
14. SUPPLEMENTAL REQUESTS <input type="checkbox"/> _____ <input type="checkbox"/> _____						Initials _____ Date _____																																																									
15. CHAIN OF CUSTODY																																																															
a.	 Signature	<b>NEWTON LEUNG / ALCO CHEMIST</b> Name/Title	<b>7/25/96 - 7/31/96</b> Inclusive Dates																																																												
b.	 Signature	<b>VERNE EDRY / WOODSUN LAB</b> Name/Title	<b>7/31/96 - / /</b> Inclusive Dates																																																												
c.	_____ Signature	_____ Name/Title	<b>/ / - / /</b> Inclusive Dates																																																												
d.	_____ Signature	_____ Name/Title	<b>/ / - / /</b> Inclusive Dates																																																												
16. LAB REMARKS: <b>Received 8/5/96</b>																																																															

FIELD

LAB



DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
 Hazardous Materials Laboratory  
 2151 Berkeley Way, Berkeley, California 94704

HML Sample Numbers 960151  
 to 960153  
 Authorization Number HMM2933

GC/MS LABORATORY REPORT

Collector: <u>Newton Leung</u>	Date Sampled: <u>7/25/96</u>
Sampling Location: <u>Former Ramos Property</u> <u>5293 Crow Canyon Road, Castro Valley</u>	Date Received at HML: <u>7/31/96</u>
	Priority: <u>3</u>
<b>Total GC/MS Semivolatile Analysis-Extended Target List (Base-Neutral/Acid Extractables and EPA Hazardous Substances List)</b> <b>Analytical Procedures:</b> Samples were extracted with dichloromethane. Electron Impact, full scan DB-5 capillary gas chromatography-mass spectrometry is used for the analysis of Semivolatile Organic Analytes. <b>Extraction Method Reference:</b> EPA Method 3550 (Solid/Sonication); EPA Method 3540 (Solid/Soxhlet); EPA Method 3580 (Liquid/Waste Dilution); EPA Method 3510 (Liquid/Separatory Funnel) <b>GC/MS Method Reference:</b> EPA Method 8270 - GC/MS Semivolatile Organics Capillary Column Technique [Target compound list is limited to BNA extractables and Hazardous Substance List Analytes.]	Date GC/MS Analysis Requested: <u>7/29/96</u>
	Date Received at GC/MS Lab: <u>8/06/96</u>
	Extraction Method: Liquid Matrix: _____ Solid Matrix: <u>3540</u>
	Date Extraction Completed: <u>8/09/96</u> Sample Prepared by: <u>Ven-Chi Liao</u> <u>Jane Tang</u>
	Date of GC/MS Analysis: <u>8/13-14/96</u> Analyst: <u>Ven-Chi Liao</u>

Method 8270 GC/MS Semivolatile Organics Analysis-Extended List (BNA & HSL Analytes) (page 1 of 3)

CAS Number	Base-Neutral/Acid Extractable and Hazardous Substance List Analytes	HML No.	960151	960152	960153	Method Blank	Quantitation Limit
		Collector#	STKP-A	STKP-B	STKP-C		
		Matrix	soil	soil	soil		
		Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
208-96-8	acenaphthylene		ND	ND	ND	ND	0.40
83-32-9	acenaphthene		ND	ND	ND	ND	0.40
62-53-3	aniline		ND	ND	ND	ND	0.40
120-12-7	anthracene		ND	ND	ND	ND	0.40
56-55-3	benz(a)anthracene		ND	ND	ND	ND	0.40
50-32-8	benzo(a)pyrene		ND	ND	ND	ND	0.40
205-99-2	benzo(b)fluoranthene		ND	ND	ND	ND	0.40
191-24-2	benzo(g,h,i)perylene		ND	ND	ND	ND	0.40
207-08-9	benzo(k)fluoranthene		ND	ND	ND	ND	0.40
100-51-6	benzyl alcohol		ND	ND	ND	ND	0.40
111-91-1	bis(2-chloroethoxy)methane		ND	ND	ND	ND	0.40
111-44-4	bis(2-chloroethyl)ether		ND	ND	ND	ND	0.40
108-60-1	bis(2-chloroisopropyl)ether		ND	ND	ND	ND	0.40
117-81-7	bis(2-ethylhexyl)phthalate		D	0.58	0.44	ND	0.40
101-55-3	4-bromophenyl phenyl ether		ND	ND	ND	0.41	0.40
85-68-7	butyl benzyl phthalate		ND	ND	ND	ND	0.40
106-47-8	4-chloroaniline		ND	ND	ND	ND	0.40
59-50-7	4-chloro-3-methylphenol		ND	ND	ND	ND	0.40
91-58-7	2-chloronaphthalene		ND	ND	ND	ND	0.40
95-57-8	2-chlorophenol		ND	ND	ND	ND	0.40

Note: D = Detected Below Quantitation Limit  
 ND = Not Detected  
 NA = Not Analyzed  
 Quantitation Limit = Lowest Standard x Dilution Factor x Matrix Factor

DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
Hazardous Materials Laboratory  
2151 Berkeley Way, Berkeley, California 94704

HML Sample Numbers 960151  
to 960153

## GC/MS Laboratory Report (Continued)

Collector: Newton Leung  
Sampling Location: Former Ramos Property

## Method 8270 GC/MS Semivolatile Organics Analysis-Extended List [BNA &amp; HSL Analytes]

(page 2 of 3)

CAS Number	Base-Neutral/Acid Extractables and Hazardous Substance List Analytes	HML No.	960151			960152			960153			Method Blank	Quantitation Limit
			Collector#	Matrix	Units	Collector#	Matrix	Units	Collector#	Matrix	Units		
7005-72-3	4-chlorophenyl phenyl ether		ND	soil	mg/Kg	ND	soil	mg/Kg	ND	soil	mg/Kg	ND	mg/Kg
218-01-9	chrysene		ND			ND			ND			ND	0.40
53-70-3	dibenzo(a,h)anthracene		ND			ND			ND			ND	0.40
132-64-9	dibenzofuran		ND			ND			ND			ND	0.40
95-50-1	1,2-dichlorobenzene		ND			ND			ND			ND	0.40
541-73-1	1,3-dichlorobenzene		ND			ND			ND			ND	0.40
106-46-7	1,4-dichlorobenzene		ND			ND			ND			ND	0.40
91-94-1	3,3'-dichlorobenzidine		ND			ND			ND			ND	0.40
120-83-2	2,4-dichlorophenol		ND			ND			ND			ND	0.40
84-66-2	diethyl phthalate		D			D			D			D	0.40
131-11-3	dimethyl phthalate		ND			ND			ND			ND	0.40
105-67-9	2,4-dimethylphenol		ND			ND			ND			ND	0.40
84-74-2	di-n-butyl phthalate		7.3			8.5			3.8			7.6	0.40
117-84-0	di-n-octyl phthalate		ND			ND			ND			ND	0.40
51-28-5	2,4-dinitrophenol		ND			ND			ND			ND	0.40
121-14-2	2,4-dinitrotoluene		ND			ND			ND			ND	2.0
606-20-2	2,6-dinitrotoluene		ND			ND			ND			ND	1.0
86-73-7	fluorone		ND			ND			ND			ND	0.40
206-44-0	fluoranthene		ND			ND			ND			ND	0.40
118-74-1	hexachlorobenzene		ND			ND			ND			ND	0.40
87-68-3	hexachlorobutadiene		ND			ND			ND			ND	0.40
77-47-4	hexachlorocyclopentadiene		ND			ND			ND			ND	0.40
67-72-1	hexachloroethane		ND			ND			ND			ND	0.40
78-59-1	isophorone		ND			ND			ND			ND	0.40
193-39-5	indeno(1,2,3-c,d)pyrene		ND			ND			ND			ND	0.40
534-52-1	2-methyl-4,6-dinitrophenol		ND			ND			ND			ND	0.40
			ND			ND			ND			ND	2.0

Note: D = Detected Below Quantitation Limit  
ND = Not Detected  
NA = Not Analyzed  
Quantitation Limit = Lowest Standard x Dilution Factor x Matrix Factor

(continue on page 3)

Analyst: VCSupervisor: ST

DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
 Hazardous Materials Laboratory  
 2151 Berkeley Way, Berkeley, California 94704

HML Sample Numbers 960151  
 to 960153

GC/MS Laboratory Report (Continued)

Collector: Newton Leung  
 Sampling Location: Former Ramos Property

Method 8270 GC/MS Semivolatile Organics Analysis-Extended List [BNA & HSL Analytes] (page 2 of 3)

CAS Number	Base-Neutral/Acid Extractables and Hazardous Substance List Analytes	HML No.	960151	960152	960153	Method Blank	Quantitation Limit
			Collector#	STKP-B	STKP-C		
			soil	soil	soil		
			mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg
7005-72-3	4-chlorophenyl phenyl ether		ND	ND	ND	ND	0.40
218-01-9	chrysene		ND	ND	ND	ND	0.40
53-70-3	dibenzo(a,h)anthracene		ND	ND	ND	ND	0.40
132-64-9	dibenzofuran		ND	ND	ND	ND	0.40
95-50-1	1,2-dichlorobenzene		ND	ND	ND	ND	0.40
541-73-1	1,3-dichlorobenzene		ND	ND	ND	ND	0.40
106-46-7	1,4-dichlorobenzene		ND	ND	ND	ND	0.40
91-94-1	3,3'-dichlorobenzidine		ND	ND	ND	ND	0.40
120-83-2	2,4-dichlorophenol		ND	ND	ND	ND	0.40
84-66-2	diethyl phthalate		D	D	D	D	0.40
131-11-3	dimethyl phthalate		ND	ND	ND	ND	0.40
105-67-9	2,4-dimethylphenol		ND	ND	ND	ND	0.40
84-74-2	di-n-butyl phthalate		7.3	8.5	3.8	7.6	0.40
117-84-0	di-n-octyl phthalate		ND	ND	ND	ND	0.40
51-28-5	2,4-dinitrophenol		ND	ND	ND	ND	0.40
121-14-2	2,4-dinitrotoluene		ND	ND	ND	ND	2.0
606-20-2	2,6-dinitrotoluene		ND	ND	ND	ND	1.0
86-73-7	fluorone		ND	ND	ND	ND	0.40
206-44-0	fluoranthene		ND	ND	ND	ND	0.40
118-74-1	hexachlorobenzene		ND	ND	ND	ND	0.40
87-68-3	hexachlorobutadiene		ND	ND	ND	ND	0.40
77-47-4	hexachlorocyclopentadiene		ND	ND	ND	ND	0.40
67-72-1	hexachloroethane		ND	ND	ND	ND	0.40
78-59-1	isophorone		ND	ND	ND	ND	0.40
193-39-5	indeno(1,2,3-c,d)pyrene		ND	ND	ND	ND	0.40
534-52-1	2-methyl-4,6-dinitrophenol		ND	ND	ND	ND	0.40
							2.0

Note: D = Detected Below Quantitation Limit  
 ND = Not Detected  
 NA = Not Analyzed  
 Quantitation Limit = Lowest Standard x Dilution Factor x Matrix Factor

[continue on page 3]

Analyst: VL  
 Supervisor: JT

DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
 Hazardous Materials Laboratory  
 2151 Berkeley Way, Berkeley, California 94704

HML Sample Numbers 960151  
 to 960153

GC/MS Laboratory Report (Continued)

Collector: Newton Leung  
 Sampling Location: Former Ramos Property

Method 8270 GC/MS Semivolatile Organics Analysis-Extended List (BNA & HSL Analytes) (page 3 of 3)

CAS Number	Base-Neutral/Acid Extractable and Hazardous Substance List Analytes	HML No.	960151	960152	960153	Method Blank	Quantitation Limit
		Collector#	STKP-A	STKP-B	STKP-C		
		Matrix	soil	soil	soil		
		Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
91-20-3	naphthalene		ND	ND	ND	ND	0.40
98-95-3	nitrobenzene		ND	ND	ND	ND	0.40
88-74-4	o-nitroaniline		ND	ND	ND	ND	0.40
99-09-2	m-nitroaniline		ND	ND	ND	ND	0.40
100-01-6	p-nitroaniline		ND	ND	ND	ND	0.40
88-75-5	2-nitrophenol		ND	ND	ND	ND	1.0
100-02-7	4-nitrophenol		ND	ND	ND	ND	0.40
62-75-9	N-nitrosodimethylamine		ND	ND	ND	ND	2.0
86-30-6	N-nitrosodiphenylamine		ND	ND	ND	ND	1.0
621-64-7	N-nitrosodi-n-propylamine		ND	ND	ND	ND	0.40
87-86-5	pentachlorophenol		ND	ND	ND	ND	0.40
85-01-8	phenanthrene		ND	ND	ND	ND	1.0
108-95-2	phenol		ND	ND	ND	ND	0.40
129-00-0	pyrene		ND	ND	ND	ND	0.40
120-82-1	1,2,4-trichlorobenzene		ND	ND	ND	ND	0.40
88-06-2	2,4,6-trichlorophenol		ND	ND	ND	ND	0.40
91-57-6	2-methylnaphthalene		ND	ND	ND	ND	0.40
95-95-4	2,4,5-trichlorophenol		ND	ND	ND	ND	0.40
95-48-7	2-methylphenol		ND	ND	ND	ND	0.40
106-44-5	3,4-methylphenol		ND	ND	ND	ND	0.40
110-86-1	pyridine		ND	ND	ND	ND	0.40
86-74-8	carbazole		ND	ND	ND	ND	1.0
			ND	ND	ND	ND	0.40

Note: D = Detected Below Quantitation Limit  
 ND = Not Detected  
 NA = Not Analyzed  
 Quantitation Limit = Lowest Standard x Dilution Factor x Matrix Factor

Comment(s):

GC/MS Analyst: Ven-Chi Liab Signature(s): [Signature] Report Date: 8/16/96  
 Reviewer: William Lum Signature: [Signature] Review Date: 8/22/96  
 Supervisor: William Lum Signature: [Signature] Date: 8/23/96  
 960151R.BNA

DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
Hazardous Materials Laboratory  
2151 Berkeley Way, Berkeley, California 94704

HML Sample Numbers 960151  
to 960153

## GC/MS LABORATORY REPORT - QUALITY CONTROL SUMMARY

Collector: <u>Newton Leung</u>	
Sampling Location: <u>Former Ramos Property</u> <u>5293 Crow Canyon Road, Castro Valley</u>	
QC Description: <u>GC/MS Semivolatile Organics Analysis - Matrix Spike and Matrix Spike Duplicate Summary</u>	
Extraction Procedures: <input checked="" type="checkbox"/> Solid Samples - [dichloromethane extraction, Soxhlet] <input type="checkbox"/> Aqueous Samples - [dichloromethane separatory funnel extraction] <input type="checkbox"/> Organic Samples - [dichloromethane - waste dilution] <input type="checkbox"/> Others (specify): <u>Soil Samples - [dichloromethane extraction, sonication]</u>	Date Extraction Completed: <u>8/09/96</u>
GC/MS Analysis Procedure: <u>DB-5 Capillary Column GC/MS - Electron Impact - Repetitive Scan</u>	Sample Preparation by: <u>Ven-Chi/Jane Tang</u>
	Date of GC/MS Analysis: <u>8/13-14/96</u>
	Analyst: <u>Ven-Chi Liao</u>
QC Data Applicable for the following HML Samples: <u>960151, 960152, 960153.</u>	
Sample Used for Matrix Spike and Matrix Spike Duplicate: HML # <u>960151</u> Matrix: <u>soil</u>	
Applicable Sample Matrix: <u>Soil</u>	

## GC/MS Semivolatile Organics Analysis - QC Report For Matrix Spike and Matrix Spike Duplicate

MATRIX SPIKE COMPOUNDS	UNITS	AMOUNT FOUND IN UNSPIKED SAMPLE	AMOUNT SPIKED IN SAMPLE	AMOUNT DETECTED (RUN #1)	AMOUNT DETECTED (RUN #2)	AVERAGE RECOVERY		RPD		Quantitation Limit	
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	%	Control Range	%	Control Limit	mg/Kg
acenaphthene		ND	10.0	7.45	8.24	7.85	78.5	40-130	10.1	19	0.400
2-chlorophenol		ND	10.0	7.99	7.41	7.70	77.0	35-114	7.53	23	0.400
4-chloro-3-methylphenol		ND	10.0	10.7	11.0	10.9	109	40-118	2.75	22	0.400
1,4-dichlorobenzene		ND	10.0	7.79	7.30	7.55	75.5	57-132	6.49	17	0.400
2,4-dinitrotoluene		ND	10.0	11.2	12.5	11.9	119	41-128	10.9	19	1.00
4-nitrophenol		ND	10.0	9.66	10.1	9.88	98.8	34-131	4.45	17	2.00
phenol		ND	10.0	7.69	7.50	7.60	76.0	40-123	2.50	22	0.400
pentachlorophenol		ND	10.0	12.2	12.5	12.4	124	37-110	2.42	21	1.00
pyrene		ND	10.0	8.27	8.52	8.40	84.0	47-108	2.98	20	0.400
1,2,4-trichlorobenzene		ND	10.0	7.79	8.04	7.92	79.2	40-137	3.16	24	0.400
n-nitrosodi-n-propylamine		ND	10.0	6.71	7.11	6.91	70.6	63-134	5.79	21	0.400

Notes: ND = not detected; NA = not analyzed because of matrix interferences

Amount Recovered = [Amount Detected - Amount Found in Unspiked Sample]

RPD = Relative Percent Deviation =  $\frac{|\text{Amount Recovered Run \#1} - \text{Amount Recovered Run \#2}|}{\text{Average Amount Recovered}} \times 100$

Comment(s):

GC/MS Analyst: Ven-Chi Liao

Signature: Ven-Chi Liao

Report Date: 8/16/96

Reviewer: William Lum

Signature: William Lum

Review Date: 8/22/96

Supervisor: William Lum

Signature: William Lum

Date: 8/23/96

960151QC.MSD

DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
 Hazardous Materials Laboratory  
 2151 Berkeley Way, Berkeley, California 94704

HML Sample Numbers 960151  
 to 960153

GC/MS LABORATORY REPORT - QUALITY CONTROL SUMMARY

Collector: Newton Leung  
 Sampling Location: Former Ramos Property  
5293 Crow Canyon Road, Castro Valley

QC Description: GC/MS Semivolatile Organics Analysis - Matrix Spike and Matrix Spike Duplicate Summary

Extraction Procedures:  Solid Samples - [dichloromethane extraction, Soxhlet]  
 Aqueous Samples - [dichloromethane separatory funnel extraction]  
 Organic Samples - [dichloromethane - waste dilution]  
 Others (specify): Soil Samples - [dichloromethane extraction, sonication]

GC/MS Analysis Procedure: DB-5 Capillary Column GC/MS - Electron Impact - Repetitive Scan

Date Extraction Completed: 8/09/96  
 Sample Preparation by: Ven-Chi/Jane Tang  
 Date of GC/MS Analysis: 8/13-14/96  
 Analyst: Ven-Chi Liao

QC Data Applicable for the following HML Samples: 960151, 960152, 960153.  
 Sample Used for Matrix Spike and Matrix Spike Duplicate: HML # 960151 Matrix: Soil  
 Applicable Sample Matrix: Soil

GC/MS Semivolatile Organics Analysis - QC Report For Matrix Spike and Matrix Spike Duplicate

MATRIX SPIKE COMPOUNDS	UNITS	AMOUNT FOUND IN UNSPIKED SAMPLE	AMOUNT SPIKED IN SAMPLE	AMOUNT DETECTED (RUN #1)	AMOUNT DETECTED (RUN #2)	AVERAGE RECOVERY		RPD		Quantitation Limit	
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	%	Control Range	%	Control Limit	mg/Kg
acenaphthene		ND	10.0	7.45	8.24	7.85	78.5	40-130	10.1	19	0.400
2-chlorophenol		ND	10.0	7.99	7.41	7.70	77.0	35-114	7.53	23	0.400
4-chloro-3-methylphenol		ND	10.0	10.7	11.0	10.9	109	40-118	2.75	22	0.400
1,4-dichlorobenzene		ND	10.0	7.79	7.30	7.55	75.5	57-132	6.49	17	0.400
2,4-dinitrotoluene		ND	10.0	11.2	12.5	11.9	119	41-128	10.9	19	1.00
4-nitrophenol		ND	10.0	9.66	10.1	9.88	98.8	34-131	4.45	17	2.00
phenol		ND	10.0	7.69	7.50	7.60	76.0	40-123	2.50	22	0.400
pentachlorophenol		ND	10.0	12.2	12.5	12.4	124	37-110	2.42	21	1.00
pyrene		ND	10.0	8.27	8.52	8.40	84.0	47-108	2.98	20	0.400
1,2,4-trichlorobenzene		ND	10.0	7.79	8.04	7.92	79.2	40-137	3.16	24	0.400
n-nitrosodi-n-propylamine		ND	10.0	6.71	7.11	6.91	70.6	63-134	5.79	21	0.400

Notes: ND = not detected; NA = not analyzed because of matrix interferences

Amount Recovered = [Amount Detected - Amount Found in Unspiked Sample]

RPD = Relative Percent Deviation =  $\frac{[Amount\ Recovered\ Run\ #1 - Amount\ Recovered\ Run\ #2]}{Average\ Amount\ Recovered} \times 100$

Comment(s):

GC/MS Analyst: Ven-Chi Liao  
 Reviewer: William Lum  
 Supervisor: William Lum

Signature: Ven-Chi Liao  
 Signature: William Lum  
 Signature: William Lum

Report Date: 8/16/96  
 Review Date: 8/22/96  
 Date: 8/23/96

DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
 Hazardous Materials Laboratory  
 2151 Berkeley Way, Berkeley, California 94704

HML Sample Numbers 960151  
 to 960153

GC/MS LABORATORY REPORT - QUALITY CONTROL SUMMARY

Collector: <u>Newton Leung</u>	
Sampling Location: <u>Former Ramos Property</u> <u>5293 Crow Canyon Road, Castro Valley</u>	
QC Description: QA Summary for Surrogate Compound Recovery Semivolatile Organic Analysis - EPA Method 8270 [Surrogate compounds are selected analogs of the target compounds used to evaluate method performance.]	Date Extraction Completed: <u>8/09/96</u> Sample Matrix: <u>Soil</u> Sample Preparation by: <u>Ven-Chi Jane</u>
Extraction Method: <u>X</u> EPA Method 3550 (Solid/Sonication) <u>X</u> EPA Method 3540 (Solid/Soxhlet) <u>    </u> EPA Method 3510 (Liquid/Separatory) <u>    </u> EPA Method 3580 (Liquid/Waste Dilution)	Date of GC/MS Analysis: <u>8/13-14/96</u> GC/MS Analyst: <u>Ven-Chi Liao</u>
QC Data Applicable for the following HML Samples: <u>960151, 960152, 960153.</u>	

Method 8270 GC/MS Semivolatile Organics - QC Report for BNA Surrogate Recovery

SURROGATE SPIKE INFORMATION	Surrogate Compound #	Compound Identity	Amount Spiked In Sample	Units
	Compound #1	2-Fluorophenol	10.0	mg/kg
	Compound #2	Phenol-d6	10.0	mg/Kg
	Compound #3	Nitrobenzene-d5	10.0	mg/Kg
	Compound #4	2-Fluorobiphenyl	10.0	mg/Kg
	Compound #5	2,4,6-tribromophenol	10.0	mg/Kg
	Compound #6	Terphenyl-d14	10.0	mg/Kg
Remark: Method blank, method standard and samples are spiked to give a final concentration of 50 mg/Kg.				

HML Sample #	SURROGATE COMPOUND RECOVERY					
	% Rec. Cpd #1	% Rec. Cpd #2	% Rec. Cpd #3	% Rec. Cpd #4	% Rec. Cpd #5	% Rec. Cpd #6
METHOD BLANK	67.9	72.8	74.5	82.6	94.2	88.4
METHOD STANDARD	75.5	78.5	43.9	44.7	98.4	53.3
960151	73.5	76.7	73.6	73.0	97.0	88.6
960151 MXSP1	67.9	72.3	75.7	82.3	102	92.3
960151 MXSP2	69.4	80.1	75.0	91.1	117	92.6
960152	62.3	73.3	67.1	84.5	97.8	89.0
960153	77.0	86.9	71.8	84.7	109	93.6
Control Range (Soil)	35 - 106	38 - 115	38 - 119	31 - 136	45 - 140	42 - 136

Note: ND = Not Detected; NA = Not analyzed due to matrix interferences  
 Comment(s):

GC/MS Analyst: Ven-Chi Liao

Signature: Ven-Chi Liao

Report Date: 8/16/96

Reviewer: William Lum

Signature: W. Lum

Review Date: 8/22/96

Supervisor: William Lum

Signature: W. Lum

Date: 8/23/96

DEPARTMENT OF TOXIC SUBSTANCE CONTROL  
 Hazardous Materials Laboratory  
 2151 Berkeley Way, Berkeley, California 94704

HML Sample Numbers 960151  
 to 960153

GC/MS LABORATORY REPORT - QUALITY CONTROL SUMMARY

Collector: Newton Leung  
 Sampling Location: Former Ramos Property  
5293 Crow Canyon Road, Castro Valley

QC Description: GC/MS Semivolatile Organics Analysis - Method Standard Recovery

Extraction Procedures:  Solid Samples - [dichloromethane extraction, Soxhlet]  
 Aqueous Samples - [dichloromethane separatory funnel extraction]  
 Organic Samples - [dichloromethane - waste dilution]  
 Others (specify): \_\_\_\_\_

GC/MS Analysis Procedure: DB-5 Capillary Column GC/MS - Electron Impact - Repetitive Scan

Date Extraction Completed: 8/09/96  
 Sample Preparation by: Ven-Chi/Jane Tang  
 Date of GC/MS Analysis: 8/13-14/96  
 Analyst: Ven-Chi Liao

QC Data Applicable for the following HML Samples: 960151, 960152, 960153.  
 Method Standard Matrix: Methylene Chloride

GC/MS Semivolatile Organics - QC Report for Method 8270 Method Standard Recovery

MATRIX SPIKE COMPOUNDS	UNITS	Amount Found in Method Blank	Amount Spiked in Method Standard	Amount Detected Method Standard	Percent Recovery	Quantitation Limit
		micrograms	micrograms	micrograms	%	micrograms
phenol		ND	50.0	39.3	78.6	2.00
2-chlorophenol		ND	50.0	40.9	81.8	2.00
1,4-dichlorobenzene		ND	50.0	42.7	85.4	2.00
N-nitroso-di-n-propylamine		ND	50.0	36.5	73.0	2.00
1,2,4-trichlorobenzene		ND	50.0	42.5	85.0	2.00
4-chloro-3-methylphenol		ND	50.0	44.4	88.8	2.00
acenaphthene		ND	50.0	34.2	68.4	2.00
4-nitrophenol		ND	50.0	44.3	88.6	10.0
2,4-dinitrotoluene		ND	50.0	54.9	110	5.00
pentachlorophenol		ND	50.0	54.9	110	5.00
pyrene		ND	50.0	43.2	86.4	2.00

Notes: ND = not detected; NA = not analyzed because of matrix interferences

Comment(s): - Method Standard: The above analytes were spiked into a reagent blank and was followed by EPA Method 3540(Solid/Soxhlet) and GCMS analysis.

GC/MS Analyst: Ven-Chi Liao Signature: Ven-Chi Liao Report Date: 8/16/96  
 Reviewer: William Lum Signature: William Lum Review Date: 8/22/96  
 Supervisor: William Lum Signature: W. Lum Date: 8/23/96



DEPARTMENT OF TOXIC SUBSTANCE CONTROL  
 Hazardous Materials Laboratory  
 2151 Berkeley Way, Berkeley, California 94704

HML Sample Numbers 960151  
 to 960153

GC/MS LABORATORY REPORT - QUALITY CONTROL SUMMARY

Collector: Newton Leung  
 Sampling Location: Former Ramos Property  
5293 Crow Canyon Road, Castro Valley

QC Description: GC/MS Semivolatile Organics Analysis - Method Standard Recovery

Extraction Procedures:  Solid Samples - [dichloromethane extraction, Soxhlet]  
 Aqueous Samples - [dichloromethane separatory funnel extraction]  
 Organic Samples - [dichloromethane - waste dilution]  
 Others (specify): \_\_\_\_\_

GC/MS Analysis Procedure: DB-5 Capillary Column GC/MS - Electron Impact - Repetitive Scan

Date Extraction Completed: 8/09/96  
 Sample Preparation by: Ven-Chi/Jane Tang  
 Date of GC/MS Analysis: 8/13-14/96  
 Analyst: Ven-Chi Liao

QC Data Applicable for the following HML Samples: 960151, 960152, 960153.  
 Method Standard Matrix: Methylene Chloride

GC/MS Semivolatile Organics - QC Report for Method 8270 Method Standard Recovery

MATRIX SPIKE COMPOUNDS	UNITS	Amount Found in Method Blank	Amount Spiked in Method Standard	Amount Detected Method Standard	Percent Recovery	Quantitation Limit
		micrograms	micrograms	micrograms	%	micrograms
phenol		ND	50.0	39.3	78.6	2.00
2-chlorophenol		ND	50.0	40.9	81.8	2.00
1,4-dichlorobenzene		ND	50.0	42.7	85.4	2.00
N-nitroso-di-n-propylamine		ND	50.0	36.5	73.0	2.00
1,2,4-trichlorobenzene		ND	50.0	42.5	85.0	2.00
4-chloro-3-methylphenol		ND	50.0	44.4	88.8	2.00
acenaphthene		ND	50.0	34.2	68.4	2.00
4-nitrophenol		ND	50.0	44.3	88.6	10.0
2,4-dinitrotoluene		ND	50.0	54.9	110	5.00
pentachlorophenol		ND	50.0	54.9	110	5.00
pyrene		ND	50.0	43.2	86.4	2.00

Notes: ND = not detected; NA = not analyzed because of matrix interferences

Comment(s): Method Standard: The above analytes were spiked into a reagent blank and was followed by EPA Method 3540(Solid/Soxhlet) and GCMS analysis.

GC/MS Analyst: Ven-Chi Liao Signature: Ven-Chi Liao Report Date: 8/16/96  
 Reviewer: William Lum Signature: William Lum Review Date: 8/22/96  
 Supervisor: William Lum Signature: William Lum Date: 8/23/96

DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
 Hazardous Materials Laboratory  
 2151 Berkeley Way, Berkeley, California 94704

HML Sample Numbers 960151  
 to 960153

GC/MS LABORATORY REPORT

Collector: <u>Newton Leung</u>	Date Sampled: <u>7/25/96</u>
Sampling Location: <u>Former Ramos Property</u>	Date Received at GC/MS Lab: <u>8/06/96</u>
<u>5293 Crow Canyon Road, Castro Valley</u>	Date Analyzed: <u>8/13-14/96</u>

**Test:** GC/MS Semivolatile Organics Analysis - Tentative Identification Non-Target Compounds

**Analytical Procedures:** Samples are extracted with dichloromethane. Electron impact, full scan DB-5 capillary gas chromatograph/mass spectrometry is used for the analysis of Semivolatile Organic Analytes. Mass spectra of chromatographic peaks which were not identified as target analytes were compared by computer searches against a mass spectral database published by the National Bureau of Standards. Unknown chromatographic peaks are tentatively identified based on best match to NBS database and best correlations with sample related data.

**GC/MS Method Reference:** EPA Method 8270 - GC/MS Semivolatile Organics Capillary Column Technique [Target compound list is limited to BNA extractables and Hazardous Substances List Analytes.]

Method 8270 GC/MS Semivolatile Organics Analysis - Tentatively Identified Non-Target Compounds (Notes 1,2)

Method Blank: No non-target peaks detected.

960151 (STKP-A): This is a light brown soil sample. No non-target found higher than 2 mg/Kg.

960152 (STKP-B): This is a light brown soil sample. No non-target found higher than 2 mg/Kg.

960153 (STKP-C): This is a brown soil sample. No non-target found higher than 2 mg/Kg.

Notes 1: Identification are tentative and is based on a comparison of sample's electron impact mass spectrum with the EPA/NIH Mass Spectral Database compiled by National Bureau of Standards.  
 2: The concentration of individually identified nontarget compound is estimated base on the RIC area of the non-target GC peak relative to the RIC area of the closest internal standard. Six GC/MS internal standards are used: 1,4-dichlorobenzene-d4, naphthalene-d8, acenaphthene-d10, phenanthrene-d10, chrysene-d12, and perylene-d12.

GC/MS Analyst: Ven-Chi Liao Signature: Ven-Chi Liao Report Date: 8/16/96  
 Reviewer: William Lum Signature: W. Lum Review Date: 8/22/96  
 Supervisor: William Lum Signature: W. Lum



DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Parkway  
Alameda, CA 94502-6577  
(510) 567-6777

ALAMEDA COUNTY ENVIRONMENTAL HEALTH LABORATORY

Certification No. 1816

Laboratory No: 96-050

Sample Identification: Former Ramos Property, 5293 Crow Canyon Road,  
Castro Valley, CA

Analysis Requested By: ~~Madhulla Logan/Amy Leech~~ Robert Kuenning

Date Collected: 7/25/96

Collected By: Scott Ferriman

Date Received: 7/25/96

Received By: D. Wong

Analysis Requested: Total Oil and Grease re-analysis.

Background Information: 3 soil samples taken from the above location.

ANALYTICAL RESULTS

<u>Parameter</u>	<u>Observation or Results</u>
------------------	-------------------------------

See Attached Sheet

Conclusion: Samples STKP-A and STKP-C were below 50 ppm (mg/kg) and  
STKP-B contains 1561 ppm mg/kg of total oil and grease.

Date Analysis Completed: 9/18/96

Chemist: N. Leung

Approved: *AL*

Distribution: Amy Leech, Jun Makishima.

LABORATORY NUMBER: 96-050  
SAMPLE NUMBER: STKP-(A-C)  
CLIENT: FORMER RAMOS PROPERTY  
5293 CROW CANYON ROAD  
CASTRO VALLEY, CA

DATE SAMPLED: 7/25/96  
DATE RECEIVED: 7/25/96  
DATE REPORTED: 9/18/96

=====ANALY  
SIS: TOTAL OIL & GREASE  
ANALYSIS METHOD: 5520E (SOXHLET EXTRACTION)  
=====

LAB ID	SAMPLE ID	TOTAL OIL & GREASE mg/kg
96-050-1	STKP-A	ND(50)
96-050-2	STKP-B	1561
96-050-3	STKP-C	ND(50)

ND=NOT DETECTED AT OR ABOVE THE REPORTING LIMIT.  
REPORTING LIMIT INDICATED IN PARENTHESIS.

QA/QC SUMMARY

=====

RPD %	0.03
RECOVERY %	101

=====

Aqua Science Engineers, Inc.  
 2411 Old Crow Canyon Road, #4,  
 San Ramon, CA 94583  
 (510) 820-9391 - FAX (510) 837-4853

# Chain of Custody

DATE 7-25-96 PAGE 1 OF 1

SAMPLERS (SIGNATURE) Scott T. Ferriman (PHONE NO) 510-820-9391

PROJECT NAME FORMER RAMOS PROPERTY NO. 2740  
 ADDRESS 5293 CROW CANYON ROAD

## ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH- GASOLINE (EPA 5030/8015)	TPH- GASOLINE/BTEX (EPA 5030/8015-8020)	TPH- DIESEL (EPA 3510/8015)	PURGABLE AROMATICS (EPA 602/8020)	PURGABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240)	BASE/NEUTRALS, ACIDS (EPA 625/8270)	OIL & GREASE (EPA 5520 (EPA) or B&T)	LEAD METALS (5) (EPA 6010+7000)	TITLE 22 (CM 17) (EPA 6010+7000)	TCLP (EPA 1311/1310)	STLC- CM MET (EPA 1311/1310)	REACTIVITY CORROSIVITY IGNITABILITY	CADMIUM, CHROMIUM, LEAD, NICKEL, ZINC & ARSENIC	PNA'S BY EPA 8100
STKP-B	↓	11:20	↓	↓								X						X	X
STKP-C	↓	11:40	↓	↓								X						X	X

RELINQUISHED BY:  
Scott T. Ferriman 7/25/96  
 (signature) (time)  
Scott T. Ferriman 7-25-96  
 (printed name) (date)  
 Company- ASE, Inc.

RECEIVED BY:  
Darcy Wang 7/25/96  
 (signature) (time)  
Darcy Wang 7/25/96  
 (printed name) (date)  
 Company- Alameda County  
 Env. Health

RELINQUISHED BY:  
Newton Lewis 10/26  
 (signature) (time)  
Newton Lewis  
 (printed name) (date)  
 Company- ALAMEDA COUNTY  
 ENV. HEALTH

RECEIVED BY LABORATORY:  
Verne Woodson 10-27  
 (signature) (time)  
Verne Woodson  
 (printed name) (date)  
 Company- HML

COMMENTS:  
 Composite Samples taken  
 from two locations at  
 4-Feet (bgs) each.