



Kaldveer Associates  
Geoscience Consultants

# TRANSMITTAL

TO Wayne Milani  
Alameda Marina

DATE 2/26/90

VIA Pick-up.

JOB NO. KE1179-1

ATTENTION \_\_\_\_\_

PROJECT 1829 Clement Avenue

DESCRIPTION Cyanide & Phenol Results

### ACTION

- As requested
- For your review and comment
- For your use
- For your use; please return when finished
- Other

cc: \_\_\_\_\_

KALDVEER ASSOCIATES

By

If enclosures are not as noted, kindly notify us at once.

# ANALYTICAL SERVICES

FEB 26 1990

**MED-TOX**  
ASSOCIATES, INC.

## CERTIFICATE OF ANALYSIS

Kleinfelder Associates  
425 Roland Way  
Oakland, CA 94621

Date: 02/21/90

Job No: 002057

Purchase Order No: 9002074

Attn: Denise Landezinsky

Ten (10) soil samples were received on February 13th, 1990 labeled:

S-1	B1-6, B2-6	B3-6	B4-7
B1-0.5, B2-0.5	B3-0.5	B4-0.5	
B1-3, B2-3	B3-3	B4-3	

The soil samples were analyzed for cyanide and phenol using EPA Methods 9010 and 9065.

Quality Control data included.

Reviewed and Approved:

*Marycarol Valenzuela*  
Marycarol Valenzuela  
Inorganics Lab Manager

560/16

Date: 02/21/90

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Client P.O. No.: 9002074

Med-Tox Job Number: 002057

Client Sample ID:	<u>S-1</u>	<u>B1-0.5, B2-0.5</u>	<u>B1-3, B2-3</u>
Lab Sample ID:	<u>01A</u>	<u>02A</u>	<u>03A</u>
Date Sampled:	<u>02/11/90</u>	<u>02/11/90</u>	<u>02/11/90</u>
Date Analysis Completed:	<u>02/20/90</u>	<u>02/20/90</u>	<u>02/20/90</u>

<u>Analysis</u>	<u>Method</u>				<u>Units</u>	<u>Limits</u>
<u>Cyanide</u>	<u>9010</u>	<u>200</u>	<u>60</u>	<u>12</u>	<u>mg/kg</u>	<u>0.4</u>
<u>Phenol</u>	<u>9065</u>	<u>0.94</u>	<u>ND</u>	<u>ND</u>	<u>mg/kg</u>	<u>0.4</u>

ND: The analyte was not detected at or above the stated detection limit.

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END -

Date: 02/21/90

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Client P.O. No.: 9002074

Med-Tox Job Number: 002057

Client Sample ID:	<u>B1-6, B2-6</u>	<u>B3-0.5</u>	<u>B3-3</u>
Lab Sample ID:	<u>04A</u>	<u>05A</u>	<u>06A</u>
Date Sampled:	<u>02/11/90</u>	<u>02/11/90</u>	<u>02/11/90</u>
Date Analysis Completed:	<u>02/20/90</u>	<u>02/20/90</u>	<u>02/20/90</u>

<u>Analysis</u>	<u>Method</u>				<u>Units</u>	<u>Limits</u>
<u>Cyanide</u>	<u>9010</u>	<u>9.7</u>	<u>77</u>	<u>8.3</u>	<u>mg/kg</u>	<u>0.4</u>
<u>Phenol</u>	<u>9065</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>mg/kg</u>	<u>0.4</u>

ND: The analyte was not detected at or above the stated detection limit.

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Date: 02/21/90

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Client P.O. No.: 9002074

Med-Tox Job Number: 002057

Client Sample ID:	<u>B3-6</u>	<u>B4-0.5</u>	<u>B4-3</u>
Lab Sample ID:	<u>07A</u>	<u>08A</u>	<u>09A</u>
Date Sampled:	<u>02/11/90</u>	<u>02/11/90</u>	<u>02/11/90</u>
Date Analysis Completed:	<u>02/20/90</u>	<u>02/20/90</u>	<u>02/20/90</u>

<u>Analysis</u>	<u>Method</u>				<u>Units</u>	<u>Limits</u>
<u>Cyanide</u>	<u>9010</u>	<u>1.1</u>	<u>1.1</u>	<u>0.5</u>	<u>mg/kg</u>	<u>0.4</u>
<u>Phenol</u>	<u>9065</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>mg/kg</u>	<u>0.4</u>

ND: The analyte was not detected at or above the stated detection limit.

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Date: 02/21/90

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Client P.O. No.: 9002074

Med-Tox Job Number: 002057

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Client Sample ID: B4-7  
Lab Sample ID: 10A  
Date Sampled: 02/11/90  
Date Analysis Completed: 02/20/90

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<u>Analysis</u>	<u>Method</u>		<u>Units</u>	<u>Limits</u>
<u>Cyanide</u>	<u>9010</u>	<u>ND</u>	<u>mg/kg</u>	<u>0.4</u>
<u>Phenol</u>	<u>9065</u>	<u>0.52</u>	<u>mg/kg</u>	<u>0.4</u>

ND: The analyte was not detected at or above the stated detection limit.

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**QUALITY CONTROL RESULTS SUMMARY**

Client Sample ID:

Lab Job No. 002057

Sample Matrix:

/  / Water (ug/l)/  / Soil (mg/kg)/  / Other \_\_\_\_\_

SPIKE COMPOUND	Spike Recovery		RPD
	%Rec. MS	%Rec. MSD	
Cyanide	83	80	4
Phenol	68	61	2

RPD = Relative Percent Difference

%Rec. MS = Recovery on Matrix Spike

%Rec. MSD = Recovery on Matrix Spike Duplicate

002057

MED-TOX ASSOCIATES, INC.  
ANALYTICAL REQUEST/CHAIN OF CUSTODY FORM  
(Complete Information on Opposite Side)

CLIENT KALIDUEER ASSOCIATES  
CLIENT JOB REF.: 9002074  
LAB PROJECT NO: \_\_\_\_\_  
(lab use only)

Date: 2/12/90  
SAMPLER(S): \_\_\_\_\_

**PLEASE INCLUDE METHOD AND DETECTION LIMIT WITH ALL RESULTS**

CLIENT SAMPLE IDENTIFICATION	DATE	Lab Number (lab use only)	AIR VOLUME (Liters)	NO. CONT.	SAMPLE TYPE *	ANALYSES										COMMENTS/ INTERFERENCES		
						Cyanide	Total Phosphonics											
S-1	2/11			1	8	X	X											
B1-0.5, B2-0.5				1														
B1-3, B2-3				1														
B1-6, B2-6				1														
B3-0.5				1														
B3-3				1														
B3-6				1														
B4-0.5				1														
B4-3				1														
B4-7				1														

Relinquished by: (Signature) <u>Denise Harrington</u>	Date <u>2/12/90</u>	Time	Received by: (Signature) <u>S. D. Shand</u>	Date <u>2/12/90</u>	Time <u>1:10</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Dispatched by: (Signature) <u>S. D. Shand</u>	Date <u>2/12/90</u>	Time <u>1:10</u>	Received for lab by: (Signature) <u>C. Smith</u>	Date <u>2-13-90</u>	Time <u>9:15</u>
Method of Shipment: <u>FedEx</u>			Lab Comments:		

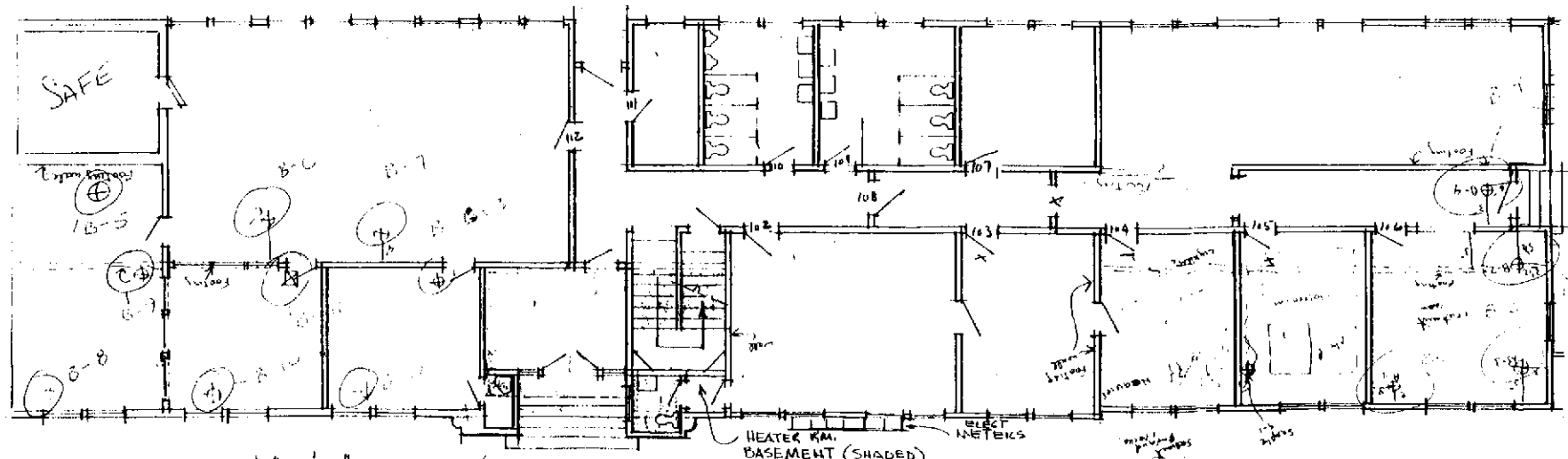
\*SAMPLE TYPE (SPECIFY): (1) 37 mm 0.8 um MCEF; (2) 25 mm 0.8 um MCEF; (3) 25 mm 0.4 um polycarb. filter; (4) PVC filter, diam. \_\_\_\_\_ pore size \_\_\_\_\_; (5) Charcoal tube; (6) Silica gel tube (7) Water; (8) Soil; (9) Bulk Sample; (10) Other \_\_\_\_\_ (11) Other \_\_\_\_\_



SECTION FLOOR PLAN 18'-0"  
BLDG. 16 1829 CLEMENT AV.  
ALAMEDA, CALIF.

100  
100  
100  
100

141'-6"



FIRST FLOOR 18'-0"

CLEMENT STREET

ENVIRONMENTAL & OCCUPATIONAL HEALTH SERVICES

3440 Vincent Road Pleasant Hill, CA 94523 • (415) 930-9090 • FAX# (415) 930-0256

LABORATORY ANALYSIS REPORT

KALDVEER ASSOCIATES, INC.  
425 ROLAND WAY  
OAKLAND, CA 94621

REPORT DATE: 02/23/90

DATE SAMPLED: 02/11/90

ATTN: DENNIS LADUZINSKY

DATE RECEIVED: 02/12/90

CLIENT PROJECT NO: KE1179-1

MED-TOX JOB NO: 9002074

ANALYSIS OF: SOIL SAMPLES FOR ARSENIC, BERYLLIUM, CHROMIUM, COPPER, MOLYBDENUM, LEAD, pH, CYANIDE AND PHENOLS

Sample Identification Client Id.	Lab No.	Arsenic (mg/kg)	Beryllium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Molybdenum (mg/kg)	Lead (mg/kg)	pH (S.U.)
S-1	01A	14	53	800	2,900	630	120	9.0
B1-0.5, B2-0.5	02A	6.6	ND	28	4	23	4	7.2
B1-3, B2-3	03A	1.0	ND	42	13	4	2	6.9
B1-6, B2-6	04A	ND	ND	35	8	4	2	7.7
B3-0.5	05A	ND	ND	31	4	ND	3	6.6
B3-3	06A	0.6	ND	47	18	5	2	8.7
B3-6	07A	ND	ND	28	9	3	2	7.8
B4-0.5	08A	ND	ND	30	8	3	4	5.4
B4-3	09A	1.6	ND	33	7	3	1	7.6
B4-7	10A	ND	ND	37	13	3	2	7.8
Detection Limit		0.5	0.2	1	1	3	1	NA
EPA Method		7060	7090	7190	7210	7480	7420	9045
Instrument:		V12	V22	V22	V22	V22	V22	ISE

ND = Not Detected

NA = Not Applicable

  
Jack Sheets, Manager  
Inorganic Laboratory

Results FAXed to Dennis Laduzinsky 02/16/90 & 02/20/90

KALDVEER ASSOCIATES, INC.

REPORT DATE: 02/23/90

CLIENT PROJECT NO: KE1179-1

MED-TOX JOB NO: 9002074

Sample Identification Client Id.	Lab No.	Cyanide* (mg/kg)	Phenols* (mg/kg)
S-1	01A	200	0.9
B1-0.5, B2-0.5	02A	60	ND
B1-3, B2-3	03A	12	ND
B1-6, B2-6	04A	9.7	ND
B3-0.5	05A	7.7	ND
B3-3	06A	8.3	ND
B3-6	07A	1.1	ND
B4-0.5	08A	1.1	ND
B4-3	09A	0.5	ND
B4-7	10A	ND	0.5

Detection limit                      0.4                      0.4

EPA Method                              9010                      9065

\* Subcontracted to a DOHS certified laboratory