

## ANANIA GEOLOGIC ENGINEERING

UNAUTHORIZED RELEASE REPORT  
FOR PCB CONTAMINATION  
AT THE CARNATION DAIRY FACILITY  
OAKLAND, ALAMEDA COUNTY, CALIFORNIA

SEPTEMBER 12, 1989

AGE Project No. 004-89-093

In order to comply with the request of the Alameda County Health Department (County), AGE has prepared this Unauthorized Release Report. Ms. Mary Scruggs of AGE gave verbal notice to the County on July 21, 1989. This report is prepared as a follow up and written confirmation of the unauthorized release at the Carnation Dairy Facility in Oakland, California.

During the remediation of a previously reported gasoline and diesel release, groundwater samples were collected from five product recovery points to establish preliminary remediation data. Polychlorinated-biphenyls (PCB), identified as arochlor 1254, were detected in the groundwater sample from PR-12 at concentrations of 0.06 mg/l parts per million (ppm). To corroborate the presence of PCB, a free product sample was collected from PR-12 and found to contain 66 ppm of PCB, arochlor 1254. The sample analyses and Chain of Custody forms for these samples are included as Attachment A.

The analytical method used to determine the concentration of PCB is EPA Method 8080. EPA Method 8080 is used to determine whether a matrix contains a hazardous waste within the definition of Section 3001 of the Resource Conservation and Recovery Act (PL 94-580). This method is approved for obtaining data to satisfy the requirements of 40 CFR Part 261, Identification and Listing of Hazardous Waste. Attachment B is a copy of the approved method to evaluate PCB's, which was followed for the enclosed analytical results.

Additional analytical results from the groundwater and free product samples collected from PR-12 have been included in Attachment A. These samples were analyzed for volatile organics (8240), semi-volatile organics (8270), PCB's (8080), total lead, soluble lead, and organic lead. The additional sample analysis and Chain of Custody forms for these samples have been included in Attachment A.

AGE has begun additional field investigations to determine the possible lateral extent and impact of the potential PCB contamination on soils and groundwater at the Facility. Groundwater and free product samples will be collected from product


recovery points in the vicinity of PR-12 to determine the lateral extent of possible PCB contamination. This data will also be used to resolve subsequent site safety and decontamination protocols.

Prepared by:

  
\_\_\_\_\_  
Jim Wallace  
Senior Project Manager

Sept 13, 1989  
Date

Approved by:

  
\_\_\_\_\_  
Karl J. Anania  
California Registered Geologist No. 4306  
Managing Partner

Sept. 13, 1989  
Date

**ANANIA GEOLOGIC ENGINEERING**

August 31, 1989

Katherine Chesick  
Alameda County Health Department  
80 Swan Way, Room 200  
Oakland, California 94621

**Re: Groundwater Samples Collected at the Oakland Dairy Facility,  
1310 14th Street, Oakland, Alameda County, California**

**AGE Project No. 004-88-059**

Dear Ms. Chesick:

As requested at the June 20, 1989, meeting between the Regional Water Quality Control Board (RWQCB), the Alameda County Health Department, Anania Geologic Engineering (AGE), and Carnation representatives, analytical results for groundwater samples collected at the Oakland Dairy Facility (Facility) are enclosed.

I apologize for the delay in sending the results. If you should have any questions, please do not hesitate to call me at (415) 234-4461.

Sincerely,

*Christopher M. Nielson-Cerquone*  
Christopher Nielson-Cerquone  
Project Manager

cc: Lester Feldman, RWQCB  
Jim Person, Carnation Company  
Howard Shmuckler, Carnation Company

## ANANIA GEOLOGIC ENGINEERING

TRANSMITTAL OF GROUNDWATER SAMPLE RESULTS  
OAKLAND CARNATION DAIRIES  
1310 14TH STREET  
OAKLAND, ALAMEDA COUNTY, CALIFORNIA

August 11, 1989

AGE Project No. 004-88-059

As requested at the June 20, 1989, meeting between the Regional Water Quality Control Board (RWQCB), the Alameda County Health Department, Anania Geologic Engineering (AGE), and Carnation representatives, analytical results for groundwater samples collected at the Oakland Dairy Facility (Facility) are enclosed. Groundwater samples were obtained from product recovery points PR-12, PR-20, PR-22, PR-41, and PR-55 (see enclosed map). The samples were analyzed for volatile hydrocarbons (method 8240), semi-volatile hydrocarbons (method 8270), PCB (method 8080), total lead, soluble lead, organic lead, chemical oxygen demand (COD), dissolved oxygen, and general mineral and physical parameters. A summary of the hydrocarbon and lead constituents detected is presented.

Prepared by:

Christopher Nielson-Cerquone  
Christopher Nielson-Cerquone  
Project Manager

August 10, 1989.  
Date

Approved by:

Karl J. Anania  
Karl J. Anania  
California Registered Geologist No. 4306  
Managing Partner

August 16, 1989  
Date

SUMMARY OF DETECTED CONSTITUENTS IN GEOUNDWATER FROM EPA METHODS  
8240, 8270, 8080, AND 6010

ANANIA GEOLOGIC ENGINEERING

PARAMETER	PRODUCT RECOVERY POINT				
	PR-12	PR-20	PR-22	PR-41	PR-55
Benzene, ug/l	25000	31000	39000	5700	49000
Toulene, ug/l	43000	33000	39000	16000	51000
Ethylbenzene, ug/l	4100	1000	3400	2400	5100
Total Xylenes, ug/l	14000	9400	18000	14000	18000
Naphthalene, ug/l	30000	9100	3000	650	56000
2-methyl naphthalene, ug/l	30000	9900	1300	400	35000
1,2-dichlorethane, ug/l	ND	1600	2000	ND	1600
Flourene, ug/l	400	ND	ND	12	ND
Phenathrene, ug/l	700	ND	ND	ND	ND
Phenol, ug/l	ND	ND	ND	12	ND
2,4-dimethyl phenol, ug/l	ND	ND	ND	760	ND
Flouranthene, ug/l	ND	ND	ND	14	ND
Benzylbutylphthalate, ug/l	ND	ND	ND	11	ND
Pyrene, ug/l	ND	ND	ND	13	ND
PCB, aroclor 1254, mg/l	0.06	ND	ND	ND	ND
Total Lead, mg/l	2.3	4.6	1.8	0.3	1.7
Soluble Lead, mg/l	0.13	2	1	0.43	0.09
Organic Lead, mg/l	ND	1.34	1.34	ND	ND

**PCB Results**

RECEIVED AUG 28 1989

Precision Analytical Laboratory, Inc.

1177 HARBOR DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

### CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/23/89  
Analyzed: 06/29/89  
Reported: 07/10/89  
Job No. #: 70901

Attn: Karl Anania  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 94553

Project: #004-88-059

Polychlorinated Biphenyls  
EPA Method 8080  
mg/l

Lab ID 70901-6  
Client ID #4378

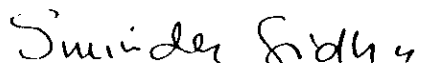
MDL

PCB ND<0.002 0.002

Extracted: 06/28/89

QA/QC: Spike Recovery 112 %

MDL: Method detection limit: Compound below this level would not be detected.

  
Surinder Sidhu  
Senior Chemist

Revised: 8/25/89

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CALIFORNIA STATE CERTIFIED LABORATORY

RECEIVED AUG 28 1989

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE BLDG 100 MONTEZUMA CA 94806

PHONE (415) 222 3002

FAX (415) 222 1251

### CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/23/89  
Analyzed: 06/29/89  
Reported: 07/10/89  
Job No. #: 70900

Attn: Karl Anania  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Polychlorinated Biphenyls  
EPA Method 8080  
mg/l

Lab ID 70900-7  
Client ID #4366

		MDL
Aroclor 1254	0.06	0.002

Extracted: 06/28/89

QA/QC: Spike Recovery 112 %

MDL: Method detection limit: Compound below this level would not be detected.

Surinder Sidhu  
Surinder Sidhu  
Senior Chemist

Revised: 8/25/89



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND CA 94806      PHONE (415) 222-3002      FAX (415) 222 1251

## CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/23/89  
Analyzed: 06/29/89  
Reported: 07/10/89  
Job No. #: 70902

Attn: Karl Anania  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Polychlorinated Biphenyls  
EPA Method 8080  
mg/l

Lab ID            70902-6  
Client ID        #4404

		MDL
PCB	ND<0.002	0.002

Extracted: 06/28/89

QA/QC: Spike Recovery 112 %

MDL: Method detection limit: Compound below this level would not be detected.

Surinder Sidhu  
Surinder Sidhu  
Senior Chemist

Revised: 8/25/89

RECEIVED AUG 28 1989

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

### CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/23/89  
Analyzed: 06/29/89  
Reported: 07/10/89  
Job No. #: 70896

Attn: Karl Anania  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Polychlorinated Biphenyls  
EPA Method 8080  
mg/l

Lab ID 70896-3  
Client ID #4344

		MDL
PCB	ND<0.002	0.002

Extracted: 06/28/89

QA/QC: Spike Recovery 112 %

MDL: Method detection limit: Compound below this level would not be detected.

Surinder Sidhu  
Surinder Sidhu  
Senior Chemist

Revised: 8/25/89

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CALIFORNIA STATE CERTIFIED LABORATORY

RECEIVED AUG 28 1989

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE RICHMOND CA 94806

PHONE (415) 222-3002 FAX (415) 222 1251

**CERTIFICATE OF ANALYSIS**

STATE LICENSE NO. 211

Received: 06/23/89  
Analyzed: 07/06/89  
— Reported: 07/10/89  
Job No. #: 70899

Attn: Karl Anania  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Polychlorinated Biphenyls  
EPA Method 8080  
mg/l

Lab ID 70899-6  
Client ID #4391

		MDL
PCB	ND<0.002	0.002

Extracted: 06/29/89

QA/QC: Spike Recovery 112 %

MDL: Method detection limit: Compound below this level would not be detected.

Surinder Sidhu  
Surinder Sidhu  
Senior Chemist

Revised: 8/25/89

OUTSTANDING QUALITY AND SERVICE  
CALIFORNIA STATE CERTIFIED LABORATORY

**Semi-Volatile and Volatile Organic Results**

RECEIVED JUL 11 / 1989

## Clayton Environmental Consultants, Inc.

P.O. Box 9019 • 1252 Quarry Lane • Pleasanton, CA 94566 • (415) 426-2600

July 5, 1989

Mr. Chris Cerquone  
ANANIA GEOLOGIC ENGINEERING  
P.O. Box 161148  
Sacramento, CA 95816

Client Ref. No.: 004-88-059  
Lab Batch No.: 8906236  
Clayton Project No.: 89062.36  
Client Code No: 0636


Dear Mr. Cerquone:

Attached is our analytical laboratory report for the samples received on June 26, 1989. Results were sent to you by facsimile on July 5, 1989. A copy of the Chain of Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be retained at our facility for approximately 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Maryann Gambino, Client Services Representative, at (415) 426-2657.

Sincerely,



Ronald H. Peters, CIH  
Manager, Laboratory Services

RHP/sam  
Attachment

EPA METHOD 8240  
PURGEABLE ORGANICS  
(LOW-LEVEL METHOD)

RECEIVED JUL 17 1989

Sample I.D.: 4383  
Sample Received: 06/26/89  
Sample Analyzed: 06/27/89  
Sample Matrix: WATER

Client: ANANIA GEOLOGIC ENGINEERING  
Client Ref. No.: 004-88-059  
Lab Client Code: 0636  
Lab No.: 8906236-01A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
Chloromethane	74-87-3	ND	2000
Bromomethane	74-83-9	ND	800
Vinyl chloride	75-01-4	ND	800
Chloroethane	75-00-3	ND	800
Methylene chloride	75-09-2	ND	2000
Trichlorofluoromethane	75-69-4	ND	600
1,1-dichloroethene	75-35-4	ND	600
1,1-dichloroethane	75-35-3	ND	600
Trans-1,2-dichloroethene	156-60-5	ND	600
Chloroform	67-66-3	ND	600
1,2-dichloroethane	107-06-2	1,600	600
1,1,1-trichloroethane	71-55-6	ND	600
Carbon tetrachloride	56-23-5	ND	600
Bromodichloromethane	75-27-4	ND	600
1,2-dichloropropane	78-87-5	ND	600
Cis-1,3-dichloropropene	10061-01-5	ND	600
Trichloroethene	79-01-6	ND	800
Benzene	71-43-2	49,000	400
Dibromochloromethane	124-48-1	ND	400
1,1,2-trichloroethane	79-00-5	ND	1000
Trans-1,3-dichloropropene	10061-02-6	ND	1000
2-chloroethylvinylether	100-75-8	ND	600
Bromoform	75-25-2	ND	600
1,1,2,2-tetrachloroethane	79-34-5	ND	800
Tetrachloroethene	127-18-4	ND	800
Toluene	108-88-3	51,000	400
Chlorobenzene	108-90-7	ND	600
Ethylbenzene	100-41-4	5,100	600
1,3-dichlorobenzene	541-73-7	ND	600
1,2-dichlorobenzene	95-50-1	ND	600
1,4-dichlorobenzene	106-46-7	ND	600
Freon 113	76-13-1	ND	600
Total Xylenes	1330-20-7	18,000	600
Acetone	67-64-1	ND	4000
2-Butanone	78-93-3	ND	4000
4-Methyl-2-pentanone	108-10-1	ND	4000
2-Hexanone	591-78-6	ND	4000
Vinyl acetate	108-05-4	ND	2000
Carbon disulfide	75-15-0	ND	600
Styrene	100-42-5	ND	600

ND = Not detected at or above limit of detection

EPA METHOD 8240  
PURGEABLE ORGANICS  
(LOW-LEVEL METHOD)

Sample I.D.: 4357  
 Sample Received: 06/26/89  
 Sample Analyzed: 06/27/89  
 Sample Matrix: WATER

Client: ANANIA GEOLOGIC ENGINEERING  
 Client Ref. No.: 004-88-059  
 Lab Client Code: 0636  
 Lab No.: 8906236-02A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
Chloromethane	74-87-3	ND	2000
Bromomethane	74-83-9	ND	800
Vinyl chloride	75-01-4	ND	800
Chloroethane	75-00-3	ND	800
Methylene chloride	75-09-2	ND	2000
Trichlorofluoromethane	75-69-4	ND	600
1,1-dichloroethene	75-35-4	ND	600
1,1-dichloroethane	75-35-3	ND	600
Trans-1,2-dichloroethene	156-60-5	ND	600
Chloroform	67-66-3	ND	600
1,2-dichloroethane	107-06-2	ND	600
1,1,1-trichloroethane	71-55-6	ND	600
Carbon tetrachloride	56-23-5	ND	600
Bromodichloromethane	75-27-4	ND	600
1,2-dichloropropane	78-87-5	ND	600
Cis-1,3-dichloropropene	10061-01-5	ND	600
Trichloroethene	79-01-6	ND	800
Benzene	71-43-2	25,000	400
Dibromochloromethane	124-48-1	ND	400
1,1,2-trichloroethane	79-00-5	ND	1000
Trans-1,3-dichloropropene	10061-02-6	ND	1000
2-chloroethylvinylether	100-75-8	ND	600
Bromoform	75-25-2	ND	600
1,1,2,2-tetrachloroethane	79-34-5	ND	800
Tetrachloroethene	127-18-4	ND	800
Toluene	108-88-3	43,000	400
Chlorobenzene	108-90-7	ND	600
Ethylbenzene	100-41-4	4,100	600
1,3-dichlorobenzene	541-73-7	ND	600
1,2-dichlorobenzene	95-50-1	ND	600
1,4-dichlorobenzene	106-46-7	ND	600
Freon 113	76-13-1	ND	600
Total Xylenes	1330-20-7	14,000	600
Acetone	67-64-1	ND	4000
2-Butanone	78-93-3	ND	4000
4-Methyl-2-pentanone	108-10-1	ND	4000
2-Hexanone	591-78-6	ND	4000
Vinyl acetate	108-05-4	ND	2000
Carbon disulfide	75-15-0	ND	600
Styrene	100-42-5	ND	600

ND = Not detected at or above limit of detection

EPA METHOD 8240  
PURGEABLE ORGANICS  
(LOW-LEVEL METHOD)

Sample I.D.: 4370  
Sample Received: 06/26/89  
Sample Analyzed: 06/27/89  
Sample Matrix: WATER

Client: ANANIA GEOLOGIC ENGINEERING  
Client Ref. No.: 004-88-059  
Lab Client Code: 0636  
Lab No.: 8906236-03A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
Chloromethane	74-87-3	ND	2000
Bromomethane	74-83-9	ND	800
Vinyl chloride	75-01-4	ND	800
Chloroethane	75-00-3	ND	800
Methylene chloride	75-09-2	ND	2000
Trichlorofluoromethane	75-69-4	ND	600
1,1-dichloroethene	75-35-4	ND	600
1,1-dichloroethane	75-35-3	ND	600
Trans-1,2-dichloroethene	156-60-5	ND	600
Chloroform	67-66-3	ND	600
1,2-dichloroethane	107-06-2	1,600	600
1,1,1-trichloroethane	71-55-6	ND	600
Carbon tetrachloride	56-23-5	ND	600
Bromodichloromethane	75-27-4	ND	600
1,2-dichloropropane	78-87-5	ND	600
Cis-1,3-dichloropropene	10061-01-5	ND	600
Trichloroethene	79-01-6	ND	800
Benzene	71-43-2	31,000	400
Dibromochloromethane	124-48-1	ND	400
1,1,2-trichloroethane	79-00-5	ND	1000
Trans-1,3-dichloropropene	10061-02-6	ND	1000
2-chloroethylvinylether	100-75-8	ND	600
Bromoform	75-25-2	ND	600
1,1,2,2-tetrachloroethane	79-34-5	ND	800
Tetrachloroethene	127-18-4	ND	800
Toluene	108-88-3	33,000	400
Chlorobenzene	108-90-7	ND	600
Ethylbenzene	100-41-4	1,000	600
1,3-dichlorobenzene	541-73-7	ND	600
1,2-dichlorobenzene	95-50-1	ND	600
1,4-dichlorobenzene	106-46-7	ND	600
Freon 113	76-13-1	ND	600
Total Xylenes	1330-20-7	9,400	600
Acetone	67-64-1	ND	4000
2-Butanone	78-93-3	ND	4000
4-Methyl-2-pentanone	108-10-1	ND	4000
2-Hexanone	591-78-6	ND	4000
Vinyl acetate	108-05-4	ND	2000
Carbon disulfide	75-15-0	ND	600
Styrene	100-42-5	ND	600

ND = Not detected at or above limit of detection



EPA METHOD 8240  
PURGEABLE ORGANICS  
(LOW-LEVEL METHOD)Sample I.D.: 4396  
Sample Received: 06/26/89  
Sample Analyzed: 06/27/89  
Sample Matrix: WATERClient: ANANIA GEOLOGIC ENGINEERING  
Client Ref. No.: 004-88-059  
Lab Client Code: 0636  
Lab No.: 8906236-04A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
Chloromethane	74-87-3	ND	1000
Bromomethane	74-83-9	ND	400
Vinyl chloride	75-01-4	ND	400
Chloroethane	75-00-3	ND	400
Methylene chloride	75-09-2	ND	1000
Trichlorofluoromethane	75-69-4	ND	300
1,1-dichloroethene	75-35-4	ND	300
1,1-dichloroethane	75-35-3	ND	300
Trans-1,2-dichloroethene	156-60-5	ND	300
Chloroform	67-66-3	ND	300
1,2-dichloroethane	107-06-2	ND	300
1,1,1-trichloroethane	71-55-6	ND	300
Carbon tetrachloride	56-23-5	ND	300
Bromodichloromethane	75-27-4	ND	300
1,2-dichloropropane	78-87-5	ND	300
Cis-1,3-dichloropropene	10061-01-5	ND	300
Trichloroethene	79-01-6	ND	400
Benzene	71-43-2	5,700	200
Dibromochloromethane	124-48-1	ND	200
1,1,2-trichloroethane	79-00-5	ND	600
Trans-1,3-dichloropropene	10061-02-6	ND	500
2-chloroethylvinylether	100-75-8	ND	300
Bromoform	75-25-2	ND	300
1,1,2,2-tetrachloroethane	79-34-5	ND	400
Tetrachloroethene	127-18-4	ND	400
Toluene	108-88-3	16,000	200
Chlorobenzene	108-90-7	ND	300
Ethylbenzene	100-41-4	2,400	300
1,3-dichlorobenzene	541-73-7	ND	300
1,2-dichlorobenzene	95-50-1	ND	300
1,4-dichlorobenzene	106-46-7	ND	300
Freon 113	76-13-1	ND	300
Total Xylenes	1330-20-7	14,000	300
Acetone	67-64-1	ND	2000
2-Butanone	78-93-3	ND	2000
4-Methyl-2-pentanone	108-10-1	ND	2000
2-Hexanone	591-78-6	ND	2000
Vinyl acetate	108-05-4	ND	1000
Carbon disulfide	75-15-0	ND	300
Styrene	100-42-5	ND	300

ND = Not detected at or above limit of detection

EPA METHOD 8240  
PURGEABLE ORGANICS  
(LOW-LEVEL METHOD)

Sample I.D.: Method Blank  
Sample Received: 06/26/89  
Sample Analyzed: 06/27/89  
Sample Matrix: WATER

Client: ANANIA GEOLOGIC ENGINEERING  
Client Ref. No.: 004-88-059  
Lab Client Code: 0636  
Lab No.: 8906236-09A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
Chloromethane	74-87-3	ND	10
Bromomethane	74-83-9	ND	4
Vinyl chloride	75-01-4	ND	4
Chloroethane	75-00-3	ND	4
Methylene chloride	75-09-2	ND	10
Trichlorofluoromethane	75-69-4	ND	3
1,1-dichloroethene	75-35-4	ND	3
1,1-dichloroethane	75-35-3	ND	3
Trans-1,2-dichloroethene	156-60-5	ND	3
Chloroform	67-66-3	ND	3
1,2-dichloroethane	107-06-2	ND	3
1,1,1-trichloroethane	71-55-6	ND	3
Carbon tetrachloride	56-23-5	ND	3
Bromodichloromethane	75-27-4	ND	3
1,2-dichloropropane	78-87-5	ND	3
Cis-1,3-dichloropropene	10061-01-5	ND	3
Trichloroethene	79-01-6	ND	4
Benzene	71-43-2	ND	2
Dibromochloromethane	124-48-1	ND	2
1,1,2-trichloroethane	79-00-5	ND	6
Trans-1,3-dichloropropene	10061-02-6	ND	5
2-chloroethylvinylether	100-75-8	ND	3
Bromoform	75-25-2	ND	3
1,1,2,2-tetrachloroethane	79-34-5	ND	4
Tetrachloroethene	127-18-4	ND	4
Toluene	108-88-3	ND	2
Chlorobenzene	108-90-7	ND	3
Ethylbenzene	100-41-4	ND	3
1,3-dichlorobenzene	541-73-7	ND	3
1,2-dichlorobenzene	95-50-1	ND	3
1,4-dichlorobenzene	106-46-7	ND	3
Freon 113	76-13-1	ND	3
Total Xylenes	1330-20-7	ND	3
Acetone	67-64-1	ND	20
2-Butanone	78-93-3	ND	20
4-Methyl-2-pentanone	108-10-1	ND	20
2-Hexanone	591-78-6	ND	20
Vinyl acetate	108-05-4	ND	10
Carbon disulfide	75-15-0	ND	3
Styrene	100-42-5	ND	3

ND = Not detected at or above limit of detection

EPA METHOD 8270  
ACID & BASE/NEUTRAL EXTRACTABLES

RECEIVED JUL 26 1989

Sample I.D.: 4402

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 06/26/89

Client Ref. No.: 004-88-059

Sample Extracted: 06/28/89

Lab Client Code: 77665

Sample Analyzed: 06/28/89

Sample Matrix: WATER

Lab No.: 8906236-05A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
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ACID COMPOUNDS

Phenol	108-95-2	12	5
2-chlorophenol	95-57-8	ND	5
2-methyl phenol	95-48-7	ND	5
4-methyl phenol	106-44-5	ND	5
2-nitrophenol	88-75-5	ND	5
2,4-dimethylphenol	105-67-9	760	5
2,4-dichlorophenol	120-83-2	ND	5
4-chloro-3-methylphenol	59-50-7	ND	5
2,4,5-trichlorophenol	95-95-4	ND	5
2,4,6-trichlorophenol	88-06-2	ND	5
2,4-dinitrophenol	51-28-5	ND	30
4-nitrophenol	100-02-7	ND	30
2-methyl-4,6-dinitrophenol	534-52-1	ND	5
Pentachlorophenol	87-86-5	ND	5

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	30
Bis(2-chloroethyl)ether	111-44-4	ND	5
1,3-dichlorobenzene	541-73-7	ND	5
1,4-dichlorobenzene	106-46-7	ND	5
1,2-dichlorobenzene	95-50-1	ND	5
Bis-(2-chloroisopropyl)ether	108-60-1	ND	5
N-nitrosodi-n-propylamine	621-64-7	ND	5
Hexachloroethane	67-72-1	ND	5
Nitrobenzene	98-95-3	ND	5
Isophorone	78-59-1	ND	5
Bis-(2-chloroethoxy)methane	111-91-1	ND	5
1,2,4-trichlorobenzene	120-82-1	ND	5
Naphthalene	91-20-3	650	5
Hexachlorobutadiene	87-68-3	ND	5
2-chloronaphthalene	91-58-7	ND	5
2-methyl naphthalene	91-57-6	400	5

ND = Not detected at or above limit of detection

EPA METHOD 8270  
ACID & BASE/NEUTRAL EXTRACTABLES  
(Cont'd)

RECEIVED JUL 10 1991

Sample I.D.: 4402

Client: ANANIA GEOLOGIC ENGINEERING

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	30
2-nitroaniline	88-74-4	ND	30
3-nitroaniline	99-09-2	ND	30
4-nitroaniline	100-01-6	ND	30
Hexachlorocyclopentadiene	77-47-4	ND	5
Dimethyl phthalate	131-11-3	ND	50
Acenaphthylene	208-96-8	ND	5
Acenaphthene	83-32-9	ND	5
2,4-dinitrotoluene	121-14-2	ND	5
2,6-dinitrotoluene	606-20-2	ND	5
Diethyl phthalate	84-66-2	ND	5
4-chlorophenylphenylether	7005-72-3	ND	5
Fluorene	86-73-7	12	5
N-nitrosodiphenylamine	86-30-6	ND	5
4-bromophenylphenylether	101-55-3	ND	5
Hexachlorobenzene	118-74-1	ND	5
Phenanthrene	85-01-8	ND	5
Anthracene	120-12-7	ND	5
Di-n-butylphthalate	84-74-2	ND	5
Fluoranthene	206-44-2	14	5
Benzidine	92-87-5	ND	150
Pyrene	129-00-0	13	5
Benzylbutylphthalate	85-68-7	11	5
3,3'-dichlorobenzidine	91-94-1	ND	200
Benzo(a)anthracene	56-55-3	ND	5
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	50
Chrysene	218-01-9	ND	10
Di-n-octylphthalate	117-84-0	ND	5
Benzo(b)fluoranthene	205-99-2	ND	10
Benzo(k)fluoranthene	207-08-9	ND	5
Benzo(a)pyrene	50-32-8	ND	5
Indeno(1,2,3-cd)pyrene	193-39-5	ND	5
Dibenzo(a,h)anthracene	53-70-3	ND	5
Benzo(ghi)perylene	191-24-2	ND	5

ND = Not detected at or above limit of detection

EPA METHOD 8270  
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: 4376

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 06/26/89

Client Ref. No.: 004-88-059

Sample Extracted: 06/29/89

Sample Analyzed: 06/30/89

Lab Client Code: 0636

Sample Matrix: WATER

Lab No.: 8906236-06A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
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ACID COMPOUNDS

Phenol	108-95-2	ND	100
2-chlorophenol	95-57-8	ND	100
2-methyl phenol	95-48-7	ND	100
4-methyl phenol	106-44-5	ND	100
2-nitrophenol	88-75-5	ND	100
2,4-dimethylphenol	105-67-9	ND	100
2,4-dichlorophenol	120-83-2	ND	100
4-chloro-3-methylphenol	59-50-7	ND	100
2,4,5-trichlorophenol	95-95-4	ND	100
2,4,6-trichlorophenol	88-06-2	ND	100
2,4-dinitrophenol	51-28-5	ND	500
4-nitrophenol	100-02-7	ND	500
2-methyl-4,6-dinitrophenol	534-52-1	ND	100
Pentachlorophenol	87-86-5	ND	100

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	500
Bis(2-chloroethyl)ether	111-44-4	ND	100
1,3-dichlorobenzene	541-73-7	ND	100
1,4-dichlorobenzene	106-46-7	ND	100
1,2-dichlorobenzene	95-50-1	ND	100
Bis-(2-chloroisopropyl)ether	108-60-1	ND	100
N-nitrosodi-n-propylamine	621-64-7	ND	100
Hexachloroethane	67-72-1	ND	100
Nitrobenzene	98-95-3	ND	100
Isophorone	78-59-1	ND	100
Bis-(2-chloroethoxy)methane	111-91-1	ND	100
1,2,4-trichlorobenzene	120-82-1	ND	100
Naphthalene	91-20-3	9,100	100
Hexachlorobutadiene	87-68-3	ND	100
2-chloronaphthalene	91-58-7	ND	100
2-methyl naphthalene	91-57-6	9,900	100

ND = Not detected at or above limit of detection

EPA METHOD 8270  
ACID & BASE/NEUTRAL EXTRACTABLES  
(Cont'd)

Sample I.D.: 4376

Client: ANANIA GEOLOGIC ENGINEERING

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	500
2-nitroaniline	88-74-4	ND	500
3-nitroaniline	99-09-2	ND	500
4-nitroaniline	100-01-6	ND	500
Hexachlorocyclopentadiene	77-47-4	ND	100
Dimethyl phthalate	131-11-3	ND	1000
Acenaphthylene	208-96-8	ND	100
Acenaphthene	83-32-9	ND	100
2,4-dinitrotoluene	121-14-2	ND	100
2,6-dinitrotoluene	606-20-2	ND	100
Diethyl phthalate	84-66-2	ND	100
4-chlorophenylphenylether	7005-72-3	ND	100
Fluorene	86-73-7	400	100
N-nitrosodiphenylamine	86-30-6	ND	100
4-bromophenylphenylether	101-55-3	ND	100
Hexachlorobenzene	118-74-1	ND	100
Phenanthrene	85-01-8	700	100
Anthracene	120-12-7	ND	100
Di-n-butylphthalate	84-74-2	ND	100
Fluoranthene	206-44-2	ND	100
Benzidine	92-87-5	ND	3000
Pyrene	129-00-0	ND	100
Benzylbutylphthalate	85-68-7	ND	100
3,3'-dichlorobenzidine	91-94-1	ND	4000
Benzo(a)anthracene	56-55-3	ND	100
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	1000
Chrysene	218-01-9	ND	200
Di-n-octylphthalate	117-84-0	ND	100
Benzo(b)fluoranthene	205-99-2	ND	200
Benzo(k)fluoranthene	207-08-9	ND	100
Benzo(a)pyrene	50-32-8	ND	100
Indeno(1,2,3-cd)pyrene	193-39-5	ND	100
Dibenzo(a,h)anthracene	53-70-3	ND	100
Benzo(ghi)perylene	191-24-2	ND	100

ND = Not detected at or above limit of detection

EPA METHOD 8270  
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: 4388

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 06/26/89  
Sample Extracted: 06/29/89  
Sample Analyzed: 06/30/89

Client Ref. No.: 004-88-059

Lab Client Code: 0636

Sample Matrix: WATER

Lab No.: 8906236-07A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
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ACID COMPOUNDS

Phenol	108-95-2	ND	2000
2-chlorophenol	95-57-8	ND	2000
2-methyl phenol	95-48-7	ND	2000
4-methyl phenol	106-44-5	ND	2000
2-nitrophenol	88-75-5	ND	2000
2,4-dimethylphenol	105-67-9	ND	2000
2,4-dichlorophenol	120-83-2	ND	2000
4-chloro-3-methylphenol	59-50-7	ND	2000
2,4,5-trichlorophenol	95-95-4	ND	2000
2,4,6-trichlorophenol	88-06-2	ND	2000
2,4-dinitrophenol	51-28-5	ND	10000
4-nitrophenol	100-02-7	ND	10000
2-methyl-4,6-dinitrophenol	534-52-1	ND	2000
Pentachlorophenol	87-86-5	ND	2000

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	10000
Bis(2-chloroethyl)ether	111-44-4	ND	2000
1,3-dichlorobenzene	541-73-7	ND	2000
1,4-dichlorobenzene	106-46-7	ND	2000
1,2-dichlorobenzene	95-50-1	ND	2000
Bis-(2-chloroisopropyl)ether	108-60-1	ND	2000
N-nitrosodi-n-propylamine	621-64-7	ND	2000
Hexachloroethane	67-72-1	ND	2000
Nitrobenzene	98-95-3	ND	2000
Isophorone	78-59-1	ND	2000
Bis-(2-chloroethoxy)methane	111-91-1	ND	2000
1,2,4-trichlorobenzene	120-82-1	ND	2000
Naphthalene	91-20-3	56,000	2000
Hexachlorobutadiene	87-68-3	ND	2000
2-chloronaphthalene	91-58-7	ND	2000
2-methyl naphthalene	91-57-6	35,000	2000

ND = Not detected at or above limit of detection

EPA METHOD 8270  
ACID & BASE/NEUTRAL EXTRACTABLES  
(Cont'd)

Sample I.D.: 4388

Client: ANANIA GEOLOGIC ENGINEERING

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	10000
2-nitroaniline	88-74-4	ND	10000
3-nitroaniline	99-09-2	ND	10000
4-nitroaniline	100-01-6	ND	10000
Hexachlorocyclopentadiene	77-47-4	ND	2000
Dimethyl phthalate	131-11-3	ND	20000
Acenaphthylene	208-96-8	ND	2000
Acenaphthene	83-32-9	ND	2000
2,4-dinitrotoluene	121-14-2	ND	2000
2,6-dinitrotoluene	606-20-2	ND	2000
Diethyl phthalate	84-66-2	ND	2000
4-chlorophenylphenylether	7005-72-3	ND	2000
Fluorene	86-73-7	ND	2000
N-nitrosodiphenylamine	86-30-6	ND	2000
4-bromophenylphenylether	101-55-3	ND	2000
Hexachlorobenzene	118-74-1	ND	2000
Phenanthrene	85-01-8	ND	2000
Anthracene	120-12-7	ND	2000
Di-n-butylphthalate	84-74-2	ND	2000
Fluoranthene	206-44-2	ND	2000
Benzidine	92-87-5	ND	60000
Pyrene	129-00-0	ND	2000
Benzylbutylphthalate	85-68-7	ND	2000
3,3'-dichlorobenzidine	91-94-1	ND	80000
Benzo(a)anthracene	56-55-3	ND	2000
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	20000
Chrysene	218-01-9	ND	4000
Di-n-octylphthalate	117-84-0	ND	2000
Benzo(b)fluoranthene	205-99-2	ND	4000
Benzo(k)fluoranthene	207-08-9	ND	2000
Benzo(a)pyrene	50-32-8	ND	2000
Indeno(1,2,3-cd)pyrene	193-39-5	ND	2000
Dibenzo(a,h)anthracene	53-70-3	ND	2000
Benzo(ghi)perylene	191-24-2	ND	2000

ND = Not detected at or above limit of detection



EPA METHOD 8270  
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: 4363

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 06/26/89

Client Ref. No.: 004-88-059

Sample Extracted: 06/29/89

Sample Analyzed: 06/30/89

Lab Client Code: 0636

Sample Matrix: WATER

Lab No.: 8906236-08A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
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ACID COMPOUNDS

Phenol	108-95-2	ND	10000
2-chlorophenol	95-57-8	ND	10000
2-methyl phenol	95-48-7	ND	10000
4-methyl phenol	106-44-5	ND	10000
2-nitrophenol	88-75-5	ND	10000
2,4-dimethylphenol	105-67-9	ND	10000
2,4-dichlorophenol	120-83-2	ND	10000
4-chloro-3-methylphenol	59-50-7	ND	10000
2,4,5-trichlorophenol	95-95-4	ND	10000
2,4,6-trichlorophenol	88-06-2	ND	10000
2,4-dinitrophenol	51-28-5	ND	50000
4-nitrophenol	100-02-7	ND	50000
2-methyl-4,6-dinitrophenol	534-52-1	ND	10000
Pentachlorophenol	87-86-5	ND	10000

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	50000
Bis(2-chloroethyl)ether	111-44-4	ND	10000
1,3-dichlorobenzene	541-73-7	ND	10000
1,4-dichlorobenzene	106-46-7	ND	10000
1,2-dichlorobenzene	95-50-1	ND	10000
Bis-(2-chloroisopropyl)ether	108-60-1	ND	10000
N-nitrosodi-n-propylamine	621-64-7	ND	10000
Hexachloroethane	67-72-1	ND	10000
Nitrobenzene	98-95-3	ND	10000
Isophorone	78-59-1	ND	10000
Bis-(2-chloroethoxy)methane	111-91-1	ND	10000
1,2,4-trichlorobenzene	120-82-1	ND	10000
Naphthalene	91-20-3	30,000	10000
Hexachlorobutadiene	87-68-3	ND	10000
2-chloronaphthalene	91-58-7	ND	10000
2-methyl naphthalene	91-57-6	30,000	10000

ND = Not detected at or above limit of detection

EPA METHOD 8270  
ACID & BASE/NEUTRAL EXTRACTABLES  
(Cont'd)

Sample I.D.: 4363

Client: ANANIA GEOLOGIC ENGINEERING

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	50000
2-nitroaniline	88-74-4	ND	50000
3-nitroaniline	99-09-2	ND	50000
4-nitroaniline	100-01-6	ND	50000
Hexachlorocyclopentadiene	77-47-4	ND	10000
Dimethyl phthalate	131-11-3	ND	100000
Acenaphthylene	208-96-8	ND	10000
Acenaphthene	83-32-9	ND	10000
2,4-dinitrotoluene	121-14-2	ND	10000
2,6-dinitrotoluene	606-20-2	ND	10000
Diethyl phthalate	84-66-2	ND	10000
4-chlorophenylphenylether	7005-72-3	ND	10000
Fluorene	86-73-7	ND	10000
N-nitrosodiphenylamine	86-30-6	ND	10000
4-bromophenylphenylether	101-55-3	ND	10000
Hexachlorobenzene	118-74-1	ND	10000
Phenanthrene	85-01-8	10,000	10000
Anthracene	120-12-7	ND	10000
Di-n-butylphthalate	84-74-2	ND	10000
Fluoranthene	206-44-2	ND	10000
Benzidine	92-87-5	ND	300000
Pyrene	129-00-0	ND	10000
Benzylbutylphthalate	85-68-7	ND	10000
3,3'-dichlorobenzidine	91-94-1	ND	400000
Benzo(a)anthracene	56-55-3	ND	10000
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	100000
Chrysene	218-01-9	ND	20000
Di-n-octylphthalate	117-84-0	ND	10000
Benzo(b)fluoranthene	205-99-2	ND	20000
Benzo(k)fluoranthene	207-08-9	ND	10000
Benzo(a)pyrene	50-32-8	ND	10000
Indeno(1,2,3-cd)pyrene	193-39-5	ND	10000
Dibenzo(a,h)anthracene	53-70-3	ND	10000
Benzo(ghi)perylene	191-24-2	ND	10000

ND = Not detected at or above limit of detection

EPA METHOD 8270  
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: Method Blank

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 06/26/89

Client Ref. No.: 004-88-059

Sample Extracted: 06/28/89

Sample Analyzed: 06/28/89

Lab Client Code: 0636

Sample Matrix: WATER

Lab No.: 8906236-09A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
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ACID COMPOUNDS

Phenol	108-95-2	ND	1
2-chlorophenol	95-57-8	ND	1
2-methyl phenol	95-48-7	ND	1
4-methyl phenol	106-44-5	ND	1
2-nitrophenol	88-75-5	ND	1
2,4-dimethylphenol	105-67-9	ND	1
2,4-dichlorophenol	120-83-2	ND	1
4-chloro-3-methylphenol	59-50-7	ND	1
2,4,5-trichlorophenol	95-95-4	ND	1
2,4,6-trichlorophenol	88-06-2	ND	1
2,4-dinitrophenol	51-28-5	ND	5
4-nitrophenol	100-02-7	ND	5
2-methyl-4,6-dinitrophenol	534-52-1	ND	1
Pentachlorophenol	87-86-5	ND	1

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	5
Bis(2-chloroethyl)ether	111-44-4	ND	1
1,3-dichlorobenzene	541-73-7	ND	1
1,4-dichlorobenzene	106-46-7	ND	1
1,2-dichlorobenzene	95-50-1	ND	1
Bis-(2-chloroisopropyl)ether	108-60-1	ND	1
N-nitrosodi-n-propylamine	621-64-7	ND	1
Hexachloroethane	67-72-1	ND	1
Nitrobenzene	98-95-3	ND	1
Isophorone	78-59-1	ND	1
Bis-(2-chloroethoxy)methane	111-91-1	ND	1
1,2,4-trichlorobenzene	120-82-1	ND	1
Naphthalene	91-20-3	ND	1
Hexachlorobutadiene	87-68-3	ND	1
2-chloronaphthalene	91-58-7	ND	1
2-methyl naphthalene	91-57-6	ND	1

ND = Not detected at or above limit of detection

EPA METHOD 8270  
ACID & BASE/NEUTRAL EXTRACTABLES  
(Cont'd)

Sample I.D.: Method Blank

Client: ANANIA GEOLOGIC ENGINEERING

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	5
2-nitroaniline	88-74-4	ND	5
3-nitroaniline	99-09-2	ND	5
4-nitroaniline	100-01-6	ND	5
Hexachlorocyclopentadiene	77-47-4	ND	1
Dimethyl phthalate	131-11-3	ND	10
Acenaphthylene	208-96-8	ND	1
Acenaphthene	83-32-9	ND	1
2,4-dinitrotoluene	121-14-2	ND	1
2,6-dinitrotoluene	606-20-2	ND	1
Diethyl phthalate	84-66-2	ND	1
4-chlorophenylphenylether	7005-72-3	ND	1
Fluorene	86-73-7	ND	1
N-nitrosodiphenylamine	86-30-6	ND	1
4-bromophenylphenylether	101-55-3	ND	1
Hexachlorobenzene	118-74-1	ND	1
Phenanthrene	85-01-8	ND	1
Anthracene	120-12-7	ND	1
Di-n-butylphthalate	84-74-2	ND	1
Fluoranthene	206-44-2	ND	1
Benzidine	92-87-5	ND	30
Pyrene	129-00-0	ND	1
Benzylbutylphthalate	85-68-7	ND	1
3,3'-dichlorobenzidine	91-94-1	ND	40
Benzo(a)anthracene	56-55-3	ND	1
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	10
Chrysene	218-01-9	ND	2
Di-n-octylphthalate	117-84-0	ND	1
Benzo(b)fluoranthene	205-99-2	ND	2
Benzo(k)fluoranthene	207-08-9	ND	1
Benzo(a)pyrene	50-32-8	ND	1
Indeno(1,2,3-cd)pyrene	193-39-5	ND	1
Dibenzo(a,h)anthracene	53-70-3	ND	1
Benzo(ghi)perylene	191-24-2	ND	1

ND = Not detected at or above limit of detection

# CHAIN OF CUSTODY RECORD

8906236

PROJ. NO.  
004-88-059

SAMPLER(S) (Signature)  
Chris Cerquone

PROJECT NAME AND ADDRESS:  
Anania Geologic Engineering  
2145 Rumrill Blvd., Suite 6  
San Pablo, CA-94806

ANALYSIS  
REQUESTED

TOTAL PETROLEUM HYDROCARBONS	BTEX	VOC-EPA 8240	TOTAL OIL & GREASE	8240	8270
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CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	ANALYSIS REQUESTED	REMARKS
	6/23/89	14:00		X	AGE # 4383, 4384, 4385		
	6/23/89	12:30		X	AGE # 4357, 4358, 4359	01A 01B 01C	
	6/23/89	13:15		X	AGE # 4370, 4371, 4372	02 02 02	5 Day Turnaround.
	6/23/89	14:45		X	AGE # 4396, 4397, 4398, 4403, 4382	03 03 03	
	6/23/89	14:45		X	AGE # 4202, 4203 Red. 4402 4402	04 04 04	
	6/23/89	13:15		X	AGE # 4376, 4377	05 05	
	6/23/89	14:00		X	AGE # 4388, 4389	06 06	Also send Results to:
	6/23/89	12:30		X	AGE # 4363, 4364	07 07	Mary Scruggs.
						08 08	11330 Sunrise Park Dr.
							Suite C
							Rancho Cordova.
							CA-95742

RELINQUISHED BY: (Signature) <i>S. Sidhu</i>	DATE 6/26/89	RECEIVED BY: (Signature) <i>Tony Salvo</i>	DATE 6/26/89
RELINQUISHED BY: (Signature)	DATE	RECEIVED BY: (Signature)	DATE
RELINQUISHED BY: (Signature)	DATE	RECEIVED BY: (Signature)	DATE
RELINQUISHED BY: (Signature)	DATE	RECEIVED FOR LABORATORY BY: (Signature)	DATE

RECEIVED JUL 6 7 1989

RECEIVED JUL 06 1989

Clayton Environmental Consultants, Inc.

P.O. Box 9019 • 1252 Quarry Lane • Pleasanton, CA 94566 • (415) 426-2600

*cc Karl  
Mary  
Chris*

July 5, 1989

Mr. Chris Cerquone  
ANANIA GEOLOGIC ENGINEERING  
11330 Sunrise Drive  
Rancho Cordova, CA 95742

Client Ref. No.: 004-88-059  
Lab Batch No.: 8906220  
Clayton Project No.: 89062.20  
Client Code No: 0636

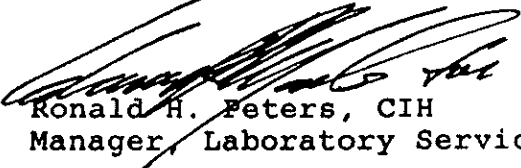
Dear Mr. Cerquone:

Attached is our analytical laboratory report for the samples received on June 23, 1989. Results were sent to you by facsimile on June 30, 1989. A copy of the Chain of Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be retained at our facility for approximately 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Maryann Gambino, Client Services Representative, at (415) 426-2657.

Sincerely,

  
Ronald H. Peters, CIH  
Manager, Laboratory Services

RHP/sam  
Attachment

EPA METHOD 8240  
PURGEABLE ORGANICS  
(LOW-LEVEL METHOD)

Sample I.D.: #4350  
Sample Received: 06/23/89  
Sample Analyzed: 06/23/89  
Sample Matrix: WATER

Client: ANANIA GEOLOGIC ENGINEERING  
Client Ref. No.: 004-88-059  
Lab Client Code: 0636  
Lab No.: 8906220-01A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
Chloromethane	74-87-3	ND	2000
Bromomethane	74-83-9	ND	800
Vinyl chloride	75-01-4	ND	800
Chloroethane	75-00-3	ND	800
Methylene chloride	75-09-2	ND	2000
Trichlorofluoromethane	75-69-4	ND	600
1,1-dichloroethene	75-35-4	ND	600
1,1-dichloroethane	75-35-3	ND	600
Trans-1,2-dichloroethene	156-60-5	ND	600
Chloroform	67-66-3	ND	600
1,2-dichloroethane	107-06-2	2,000	600
1,1,1-trichloroethane	71-55-6	ND	600
Carbon tetrachloride	56-23-5	ND	600
Bromodichloromethane	75-27-4	ND	600
1,2-dichloropropane	78-87-5	ND	600
Cis-1,3-dichloropropene	10061-01-5	ND	600
Trichloroethene	79-01-6	ND	800
Benzene	71-43-2	39,000	400
Dibromochloromethane	124-48-1	ND	400
1,1,2-trichloroethane	79-00-5	ND	1000
Trans-1,3-dichloropropene	10061-02-6	ND	1000
2-chloroethylvinylether	100-75-8	ND	600
Bromoform	75-25-2	ND	600
1,1,2,2-tetrachloroethane	79-34-5	ND	800
Tetrachloroethene	127-18-4	ND	800
Toluene	108-88-3	39,000	400
Chlorobenzene	108-90-7	ND	600
Ethylbenzene	100-41-4	3,400	600
1,3-dichlorobenzene	541-73-7	ND	600
1,2-dichlorobenzene	95-50-1	ND	600
1,4-dichlorobenzene	106-46-7	ND	600
Freon 113	76-13-1	ND	600
Total Xylenes	1330-20-7	18,000	600
Acetone	67-64-1	ND	4000
2-Butanone	78-93-3	ND	4000
4-Methyl-2-pentanone	108-10-1	ND	4000
2-Hexanone	591-78-6	ND	4000
Vinyl acetate	108-05-4	ND	2000
Carbon disulfide	75-15-0	ND	600
Styrene	100-42-5	ND	600

ND = Not detected at or above limit of detection

EPA METHOD 8240  
PURGEABLE ORGANICS  
(LOW-LEVEL METHOD)

Sample I.D.: Method Blank  
Sample Received: 06/23/89  
Sample Analyzed: 06/23/89  
Sample Matrix: WATER

Client: ANANIA GEOLOGIC ENGINEERING  
Client Ref. No.: 004-88-059  
Lab Client Code: 0636  
Lab No.: 8906220-07A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
Chloromethane	74-87-3	ND	10
Bromomethane	74-83-9	ND	4
Vinyl chloride	75-01-4	ND	4
Chloroethane	75-00-3	ND	4
Methylene chloride	75-09-2	ND	10
Trichlorofluoromethane	75-69-4	ND	3
1,1-dichloroethene	75-35-4	ND	3
1,1-dichloroethane	75-35-3	ND	3
Trans-1,2-dichloroethene	156-60-5	ND	3
Chloroform	67-66-3	ND	3
1,2-dichloroethane	107-06-2	ND	3
1,1,1-trichloroethane	71-55-6	ND	3
Carbon tetrachloride	56-23-5	ND	3
Bromodichloromethane	75-27-4	ND	3
1,2-dichloropropane	78-87-5	ND	3
Cis-1,3-dichloropropene	10061-01-5	ND	3
Trichloroethene	79-01-6	ND	4
Benzene	71-43-2	ND	2
Dibromochloromethane	124-48-1	ND	2
1,1,2-trichloroethane	79-00-5	ND	6
Trans-1,3-dichloropropene	10061-02-6	ND	5
2-chloroethylvinylether	100-75-8	ND	3
Bromoform	75-25-2	ND	3
1,1,2,2-tetrachloroethane	79-34-5	ND	4
Tetrachloroethene	127-18-4	ND	4
Toluene	108-88-3	ND	2
Chlorobenzene	108-90-7	ND	3
Ethylbenzene	100-41-4	ND	3
1,3-dichlorobenzene	541-73-7	ND	3
1,2-dichlorobenzene	95-50-1	ND	3
1,4-dichlorobenzene	106-46-7	ND	3
Freon 113	76-13-1	ND	3
Total Xylenes	1330-20-7	ND	3
Acetone	67-64-1	ND	20
2-Butanone	78-93-3	ND	20
4-Methyl-2-pentanone	108-10-1	ND	20
2-Hexanone	591-78-6	ND	20
Vinyl acetate	108-05-4	ND	10
Carbon disulfide	75-15-0	ND	3
Styrene	100-42-5	ND	3

ND = Not detected at or above limit of detection



EPA METHOD 8270  
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: #4343

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 06/23/89

Client Ref. No.: 004-88-059

Sample Extracted: 06/26/89

Sample Analyzed: 06/27/89

Lab Client Code: 0636

Sample Matrix: WATER

Lab No.: 8906220-04A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
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ACID COMPOUNDS

Phenol	108-95-2	ND	100
2-chlorophenol	95-57-8	ND	100
2-methyl phenol	95-48-7	ND	100
4-methyl phenol	106-44-5	ND	100
2-nitrophenol	88-75-5	ND	100
2,4-dimethylphenol	105-67-9	ND	100
2,4-dichlorophenol	120-83-2	ND	100
4-chloro-3-methylphenol	59-50-7	ND	100
2,4,5-trichlorophenol	95-95-4	ND	100
2,4,6-trichlorophenol	88-06-2	ND	100
2,4-dinitrophenol	51-28-5	ND	500
4-nitrophenol	100-02-7	ND	500
2-methyl-4,6-dinitrophenol	534-52-1	ND	100
Pentachlorophenol	87-86-5	ND	100

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	500
Bis(2-chloroethyl)ether	111-44-4	ND	100
1,3-dichlorobenzene	541-73-7	ND	100
1,4-dichlorobenzene	106-46-7	ND	100
1,2-dichlorobenzene	95-50-1	ND	100
Bis-(2-chloroisopropyl)ether	108-60-1	ND	100
N-nitrosodi-n-propylamine	621-64-7	ND	100
Hexachloroethane	67-72-1	ND	100
Nitrobenzene	98-95-3	ND	100
Isophorone	78-59-1	ND	100
Bis-(2-chloroethoxy)methane	111-91-1	ND	100
1,2,4-trichlorobenzene	120-82-1	ND	100
Naphthalene	91-20-3	3,000	100
Hexachlorobutadiene	87-68-3	ND	100
2-chloronaphthalene	91-58-7	ND	100
2-methyl naphthalene	91-57-6	1,300	100

ND = Not detected at or above limit of detection

EPA METHOD 8270  
ACID & BASE/NEUTRAL EXTRACTABLES  
(Cont'd)

Sample I.D.: #4343

Client: ANANIA GEOLOGIC ENGINEERING

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	500
2-nitroaniline	88-74-4	ND	500
3-nitroaniline	99-09-2	ND	500
4-nitroaniline	100-01-6	ND	500
Hexachlorocyclopentadiene	77-47-4	ND	100
Dimethyl phthalate	131-11-3	ND	1,000
Acenaphthylene	208-96-8	ND	100
Acenaphthene	83-32-9	ND	100
2,4-dinitrotoluene	121-14-2	ND	100
2,6-dinitrotoluene	606-20-2	ND	100
Diethyl phthalate	84-66-2	ND	100
4-chlorophenylphenylether	7005-72-3	ND	100
Fluorene	86-73-7	ND	100
N-nitrosodiphenylamine	86-30-6	ND	100
4-bromophenylphenylether	101-55-3	ND	100
Hexachlorobenzene	118-74-1	ND	100
Phenanthrene	85-01-8	ND	100
Anthracene	120-12-7	ND	100
Di-n-butylphthalate	84-74-2	ND	100
Fluoranthene	206-44-2	ND	100
Benzidine	92-87-5	ND	3,000
Pyrene	129-00-0	ND	100
Benzylbutylphthalate	85-68-7	ND	100
3,3'-dichlorobenzidine	91-94-1	ND	4,000
Benzo(a)anthracene	56-55-3	ND	100
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	1,000
Chrysene	218-01-9	ND	200
Di-n-octylphthalate	117-84-0	ND	100
Benzo(b)fluoranthene	205-99-2	ND	200
Benzo(k)fluoranthene	207-08-9	ND	100
Benzo(a)pyrene	50-32-8	ND	100
Indeno(1,2,3-cd)pyrene	193-39-5	ND	100
Dibenzo(a,h)anthracene	53-70-3	ND	100
Benzo(ghi)perylene	191-24-2	ND	100

ND = Not detected at or above limit of detection

EPA METHOD 8270  
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: Method Blank

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 06/23/89  
Sample Extracted: 06/26/89  
Sample Analyzed: 06/26/89

Client Ref. No.: 004-88-059  
Lab Client Code: 0636

Sample Matrix: WATER

Lab No.: 8906220-07A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
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ACID COMPOUNDS

Phenol	108-95-2	ND	1
2-chlorophenol	95-57-8	ND	1
2-methyl phenol	95-48-7	ND	1
4-methyl phenol	106-44-5	ND	1
2-nitrophenol	88-75-5	ND	1
2,4-dimethylphenol	105-67-9	ND	1
2,4-dichlorophenol	120-83-2	ND	1
4-chloro-3-methylphenol	59-50-7	ND	1
2,4,5-trichlorophenol	95-95-4	ND	1
2,4,6-trichlorophenol	88-06-2	ND	1
2,4-dinitrophenol	51-28-5	ND	5
4-nitrophenol	100-02-7	ND	5
2-methyl-4,6-dinitrophenol	534-52-1	ND	1
Pentachlorophenol	87-86-5	ND	1

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	5
Bis(2-chloroethyl)ether	111-44-4	ND	1
1,3-dichlorobenzene	541-73-7	ND	1
1,4-dichlorobenzene	106-46-7	ND	1
1,2-dichlorobenzene	95-50-1	ND	1
Bis-(2-chloroisopropyl)ether	108-60-1	ND	1
N-nitrosodi-n-propylamine	621-64-7	ND	1
Hexachloroethane	67-72-1	ND	1
Nitrobenzene	98-95-3	ND	1
Isophorone	78-59-1	ND	1
Bis-(2-chloroethoxy)methane	111-91-1	ND	1
1,2,4-trichlorobenzene	120-82-1	ND	1
Naphthalene	91-20-3	ND	1
Hexachlorobutadiene	87-68-3	ND	1
2-chloronaphthalene	91-58-7	ND	1
2-methyl naphthalene	91-57-6	ND	1

ND = Not detected at or above limit of detection

EPA METHOD 8270  
ACID & BASE/NEUTRAL EXTRACTABLES  
(Cont'd)

Sample I.D.: Method Blank

Client: ANANIA GEOLOGIC ENGINEERING

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	5
2-nitroaniline	88-74-4	ND	5
3-nitroaniline	99-09-2	ND	5
4-nitroaniline	100-01-6	ND	5
Hexachlorocyclopentadiene	77-47-4	ND	1
Dimethyl phthalate	131-11-3	ND	10
Acenaphthylene	208-96-8	ND	1
Acenaphthene	83-32-9	ND	1
2,4-dinitrotoluene	121-14-2	ND	1
2,6-dinitrotoluene	606-20-2	ND	1
Diethyl phthalate	84-66-2	ND	1
4-chlorophenylphenylether	7005-72-3	ND	1
Fluorene	86-73-7	ND	1
N-nitrosodiphenylamine	86-30-6	ND	1
4-bromophenylphenylether	101-55-3	ND	1
Hexachlorobenzene	118-74-1	ND	1
Phenanthrene	85-01-8	ND	1
Anthracene	120-12-7	ND	1
Di-n-butylphthalate	84-74-2	ND	1
Fluoranthene	206-44-2	ND	1
Benzidine	92-87-5	ND	30
Pyrene	129-00-0	ND	1
Benzylbutylphthalate	85-68-7	ND	1
3,3'-dichlorobenzidine	91-94-1	ND	40
Benzo(a)anthracene	56-55-3	ND	1
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	10
Chrysene	218-01-9	ND	2
Di-n-octylphthalate	117-84-0	ND	1
Benzo(b)fluoranthene	205-99-2	ND	2
Benzo(k)fluoranthene	207-08-9	ND	1
Benzo(a)pyrene	50-32-8	ND	1
Indeno(1,2,3-cd)pyrene	193-39-5	ND	1
Dibenzo(a,h)anthracene	53-70-3	ND	1
Benzo(ghi)perylene	191-24-2	ND	1

ND = Not detected at or above limit of detection

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Page 8 of 9

EPA METHOD 8040  
PHENOLS

Sample I.D.: #4345

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 06/23/89

Client Ref. No.: 004-88-059

Sample Extracted:

Sample Analyzed: 06/28/89

Lab Client Code: 0636

Sample Matrix: WATER

Lab No.: 8906220-06A

<u>Compound</u>	<u>CAS #</u>	Concentration ug/L	Limit of Detection ug/L
2-Chlorophenol	95-57-8	ND	5,000
2-nitrophenol	88-75-5	ND	5,000
Phenol	108-95-2	ND	5,000
2,4-dimethylphenol	105-67-9	ND	5,000
2,4-dichlorophenol	120-83-2	ND	5,000
2,4,6-trichlorophenol	88-06-2	ND	5,000
4-chloro-3-methylphenol	59-50-7	ND	5,000
2,4-dinitrophenol	51-28-5	ND	10,000
2-methyl-4,6-dinitrophenol	534-52-1	ND	10,000
Pentachlorophenol	87-86-5	ND	10,000
4-nitrophenol	100-02-7	ND	10,000

ND = Not detected at or above limit of detection

RECEIVED JUL 06 1989

Page 9 of 9

EPA METHOD 8040  
PHENOLS

Sample I.D.: Method Blank

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 06/23/89

Client Ref. No.: 004-88-059

Sample Extracted:

Sample Analyzed: 06/28/89

Lab Client Code: 0636

Sample Matrix: WATER

Lab No.: 8906220-07A

<u>Compound</u>	<u>CAS #</u>	<u>Concentration</u> ug/L	<u>Limit of Detection</u> ug/L
2-Chlorophenol	95-57-8	ND	5
2-nitrophenol	88-75-5	ND	5
Phenol	108-95-2	ND	5
2,4-dimethylphenol	105-67-9	ND	5
2,4-dichlorophenol	120-83-2	ND	5
2,4,6-trichlorophenol	88-06-2	ND	5
4-chloro-3-methylphenol	59-50-7	ND	5
2,4-dinitrophenol	51-28-5	ND	10
2-methyl-4,6-dinitrophenol	534-52-1	ND	10
Pentachlorophenol	87-86-5	ND	10
4-nitrophenol	100-02-7	ND	10

ND = Not detected at or above limit of detection

**Total Lead, Soluble Lead, and Organic Lead Results**

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

### CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/23/89  
Analyzed: 06/27/89  
Reported: 07/10/89  
Job #: 70900

Attn: Mary Scruggs  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Lead Analysis Method EPA 6010  
Prep Method 3010  
mg/l

Lab ID	Client ID	Lead	MDL	% SPIKE RECOVERY
70900-2	#4360	2.3	0.044	80

Prepared: 06/26/89

MDL: Method detection limit; Compound below this level would not be detected.

Surinder Sidhu  
Surinder Sidhu  
Senior Chemist



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

### CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/23/89

Analyzed: 07/06/89

Reported: 07/10/89

Job #: 70901

Attn: Mary Scruggs  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Lead Analysis Method EPA 6010  
Prep Method 3010  
mg/l

Lab ID	Client ID	Lead	MDL	% SPIKE RECOVERY
70901-4	#4375	4.6	0.044	80

Prepared: 06/29/89

MDL: Method detection limit; Compound below this level would not be detected.

Surinder Sidhu  
Surinder Sidhu  
Senior Chemist

Revised: 8/4/89

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

### CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/23/89  
Analyzed: 06/27/89  
Reported: 07/10/89  
Job #: 70902

Attn: Mary Scruggs  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Lead Analysis Method EPA 6010  
Prep Method 3010  
mg/l

Lab ID	Client ID	Lead	MDL	% SPIKE RECOVERY
70902-4	#4401	0.30	0.044	80

Prepared: 06/26/89

MDL: Method detection limit; Compound below this level would not be detected.

Surinder Sidhu  
Surinder Sidhu  
Senior Chemist

Revised: 8/4/89

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

### CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/23/89

Analyzed: 07/06/89

Reported: 07/10/89

Job #: 70899

Attn: Mary Scruggs  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Lead Analysis Method EPA 6010

Prep Method 3010

mg/l

Lab ID	Client ID	Lead	MDL	% SPIKE RECOVERY
70899-8	#4392	1.7	0.044	80

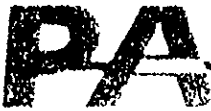
Prepared: 06/26/89

MDL: Method detection limit; Compound below this level would not be detected.

Surinder Sidhu  
Surinder Sidhu  
Senior Chemist

Revised: 8/4/89

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Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/22/89  
Reported: 07/05/89  
Job #: 70897

*cc Karl  
Mary  
Chris C.*

Attn: Mary Scruggs  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Lead Analysis Method EPA 6010  
Prep Method 3010  
mg/l

Lab ID	Client ID	Lead	MDL	% SPIKE RECOVERY
70897-1	#4342	1.8	0.044	80

MDL: Method detection limit; Compound below this level would not be detected.

Surindu Sidhu (For)  
Jaime Chow  
Laboratory Director

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

### CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/23/89  
Analyzed: 07/06/89  
Reported: 07/10/89  
Job #: 70899

Attn: Mary Scruggs  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Analysis Method EPA 6010  
STLC  
mg/l

Lab ID	Client ID	STLC Lead	MDL	% SPIKE RECOVERY
70899-8	#4392	0.09	0.044	98

Extracted: 06/28/89

MDL: Method detection limit; Compound below this level would not be detected.

Surinder Sidhu.  
Surinder Sidhu  
Senior Chemist

Revised 8/4/89

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806      PHONE (415) 222-3002      FAX (415) 222-1251

### CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/23/89  
Analyzed: 07/06/89  
Reported: 07/10/89  
Job #: 70900

Attn: Mary Scruggs  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Analysis Method EPA 6010  
STLC  
mg/l

Lab ID	Client ID	STLC Lead	MDL	% SPIKE RECOVERY
70900-2	#4360	0.13	0.044	98

Extracted: 06/28/89

MDL: Method detection limit; Compound below this level would not be detected.

Surinder Sidhu  
Surinder Sidhu  
Senior Chemist

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806      PHONE (415) 222 3002      FAX (415) 222-1251

### CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/23/89  
Analyzed: 06/28/89  
Reported: 07/10/89  
Job #: 70901

Attn: Mary Scruggs  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Analysis Method EPA 6010  
STLC  
mg/l

Lab ID	Client ID	STLC Lead	MDL	% SPIKE RECOVERY
70901-4	#4375	2.0	0.044	98

Extracted 06/26/89

MDL: Method detection limit; Compound below this level would not be detected.

Surinder Sidhu  
Surinder Sidhu  
Senior Chemist

Revised: 8/4/89

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

### CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/23/89

Analyzed: 07/06/89

Reported: 07/10/89

Job #: 70902

Attn: Mary Scruggs  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Analysis Method EPA 6010  
STLC  
mg/l

Lab ID	Client ID	STLC Lead	MDL	% SPIKE RECOVERY
70902-4	#4401	0.43	0.044	98

Extracted: 07/06/89

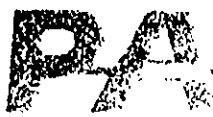
MDL: Method detection limit; Compound below this level would not be detected.

Surinder Sidhu  
Surinder Sidhu  
Senior Chemist

Revised 8/4/89



RECEIVED JUL 13 1989



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/22/89  
Reported: 07/05/89  
Job #: 70897

Attn: Mary Scruggs  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Analysis Method EPA 6010  
STLC  
mg/l

Lab ID	Client ID	STLC Lead	MDL	% SPIKE RECOVERY
70897-1	#4342	1.0	0.044	98

MDL: Method detection limit; Compound below this level would not be detected.

Susindu Pal Soltan (fco)  
Jaime Chow  
Laboratory Director

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/23/89

Analyzed: 06/29/89

Reported: 07/10/89

Job #: 70900

Attn: Mary Scruggs  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Organic Lead Analysis  
DOHS Method  
mg/l

Lab ID	Client ID	Organic Lead	MDL	% SPIKE RECOVERY
70900-2	#4360	ND<0.25	0.25	102

Extracted: 06/29/89

MDL: Method detection limit; Compound below this level would not be detected.

Surinder Sidhu  
Surinder Sidhu  
Senior Chemist

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806      PHONE (415) 222-3002      FAX (415) 222-1251

### CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/23/89  
Analyzed: 06/29/89  
Reported: 07/10/89  
Job #: 70901

Attn: Mary Scruggs  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Organic Lead Analysis  
DOHS Method  
mg/l

Lab ID	Client ID	Organic Lead	MDL	% SPIKE RECOVERY
70901-4	#4375	1.34	0.25	102

Extracted: 06/29/89

MDL: Method detection limit; Compound below this level would not be detected.

Surinder Sidhu  
Surinder Sidhu  
Senior Chemist

Revised: 8/4/89

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

### CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/23/89

Analyzed: 06/28/89

Reported: 07/10/89

Job #: 70902

Attn: Mary Scruggs  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Organic Lead Analysis  
DOHS Method  
mg/l

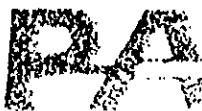
Lab ID	Client ID	Organic Lead	MDL	% SPIKE RECOVERY
70902-4	#4401	<0.25	0.25	102

Extracted: 06/28/89

MDL: Method detection limit; Compound below this level would not be detected.

Surinder Sidhu  
Surinder Sidhu  
Senior Chemist

Revised: 8/4/89



Precision Analytical Laboratory, Inc.

RECEIVED JUL 13 1989

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 06/22/89  
Reported: 07/05/89  
Job #: 70897

Attn: Mary Scruggs  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Organic Lead Analysis  
DOHS Method  
mg/l

Lab ID	Client ID	Organic Lead	MDL	% SPIKE RECOVERY
70897-1	#4342	1.34	0.25	102

MDL: Method detection limit; Compound below this level would not be detected.

*Suzinda Pal Solhu (Fao)*

Jaime Chow  
Laboratory Director

 Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

**CERTIFICATE OF ANALYSIS**

STATE LICENSE NO. 211

Received: 06/23/89  
Analyzed: 07/06/89  
Reported: 07/10/89  
Job #: 70899

Attn: Mary Scruggs  
Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Organic Lead Analysis  
DOHS Method  
mg/l

Lab ID	Client ID	Organic Lead	MDL	% SPIKE RECOVERY
70899-8	#4392	ND<0.25	0.25	102

Extracted: 06/29/89

MDL: Method detection limit; Compound below this level would not be detected.

Surinder Sidhu  
Surinder Sidhu  
Senior Chemist

Revised: 8/4/89

**General Mineral and General Physical Results**

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

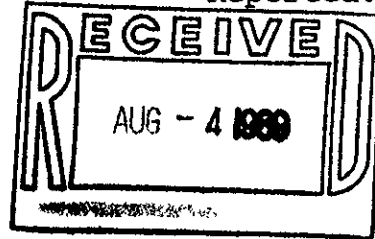
PHONE (415) 222-3002

FAX (415) 222-1251

REPORT FOR ANALYTICAL RESULTS

Received: 06/26/89

Reported: 07/06/89



Anania Geological Engineering
11330 Sunrise Park Drive, Suite C
Rancho Cordova, CA. 95742

Project: #004-88-059

Brown & Caldwell ID #:
Lab ID #:
Client ID:

06-540-1 06-540-2 06-540-3
70899-7 70900-8 70902-7
(4393,4394) (4367,4368) (4405,4406)

ANALYSIS:

Table with 4 columns: Parameter, 06-540-1, 06-540-2, 06-540-3. Rows include Alkalinity (as CaCO3), Calcium (EDTA), Magnesium, Chloride, Copper, Surfactants, Iron, Manganese, pH, Potassium, Sodium, Sulfate, Conductivity, Filterable Residue (TDS), Zinc, Nitrate (as NO3), Nitric Acid Digestion, Date, and General Mineral Approval, Date.

The following results are from analytical testing performed by Brown & Caldwell. This report was revised 08/03/89 to clarify sample numbers by Precision Analytical Laboratory.





Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002 FAX (415) 222-1251

Brown & Caldwell/ Anania Geological

Page 2 of 2

Brown & Caldwell ID #:	06-540-1	06-540-2	06-540-3
Lab ID #:	70899-9	70900-9	70902-9
Client ID:	(4395)	(4369)	(4407)

ANALYSIS:

Color, Pt-Co	67	500	400
Turbidity, NTU	4800	3700	48000
Date Filtered	06.21.89	06.27.89	06.27.89

Brown & Caldwell ID #:	06-540-1	06-540-2	06-540-3
Lab ID #:	70899-3	70900-3	70902-3
Client ID:	(4387)	(4361)	(4400)

ANALYSIS:

Chemical Oxygen Demand, mg/L	8000	7100	1800
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Brown & Caldwell ID #:	06-540-1	06-540-2	06-540-3
Lab ID #:	70899-2	70900-4	70902-2
Client ID:	(4386)	(4362)	(4399)

ANALYSIS:

Dissolved Oxygen, mg/L	2.0	<1.0	<1.0
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Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

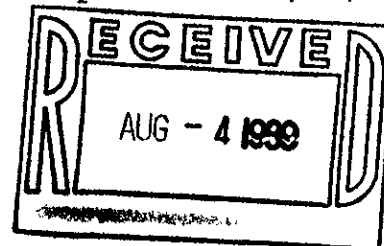
PHONE (415) 222-3002

FAX (415) 222-1251

REPORT FOR ANALYTICAL RESULTS

Received: 06/26/89

Reported: 07/06/89



Anania Geological Engineering  
11330 Sunrise Park Drive, Suite C  
Rancho Cordova, CA. 95742

Project: #004-88-059

Brown & Caldwell ID #:

06-540-4

06-540-5

Lab ID #:

70901-8

70896-6

Client ID:

(4380,4381)

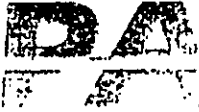
(4347,4348)

ANALYSIS:

Alkalinity (as CaCO3)

Carbonate Alk (as CaCO3), mg/L	<1	<1
Bicarbonate Alk (as CaCO3), mg/L	2500	2000
Hydroxide Alk (as CaCO3), mg/L	<1	<1
Total Alkalinity (as CaCO3), mg/L	2500	2000
Calcium (EDTA), mg/L	340	200
Magnesium, mg/L	150	170
Chloride, mg/L	56	49
Copper, mg/L	<0.08	<0.08
Surfactants, mg/L	<2.5	<2.5
Iron, mg/L	5.9	0.74
Manganese, mg/L	15	12
pH	6.9	6.9
Potassium, mg/L	42	32
Sodium, mg/L	1100	900
Sulfate, mg/L	1600	1300
Conductivity, umhos/cm	8000	6960
Filterable Residue (TDS), mg/L	2400	6200
Zinc, mg/L	<0.01	<0.01
Nitrate (as NO3), mg/L	<0.02	<0.02
Nitric Acid Digestion, Date	06.28.89	06.28.89
General Mineral Approval, Date	07.06.89	07.06.89

The following results are from analytical testing performed by Brown & Caldwell. This report was revised 08/03/89 to clarify sample numbers by Precision Analytical Laboratory.



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

Brown & Caldwell/ Anania Geological

Page 2 of 2

Brown & Caldwell ID #:	06-540-4	06-540-5
Lab ID #:	70901-9	70896-5
Client ID:	(4379)	(4346)

ANALYSIS:

Color, Pt-Co	40	200
Turbidity, NTU	2400	3500
Date Filtered	06.27.89	06.27.89

Brown & Caldwell ID #:	06-540-4	06-540-5
Lab ID #:	70901-2	70896
Client ID:	(4373)	

ANALYSIS:

Chemical Oxygen Demand, mg/L	3100	N/A
------------------------------	------	-----

Brown & Caldwell ID #:	06-540-4	06-540-5
Lab ID #:	70901-3	70896-7
Client ID:	(4374)	(4355)

ANALYSIS:

Dissolved Oxygen, mg/L	<1.0	<1.0
------------------------	------	------

Brown & Caldwell ID #:	06-540-6
Lab ID #:	70897-2
Client ID:	(4354)

ANALYSIS:

Chemical Oxygen Demand, mg/L	6700
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**Chain of Custody Forms**

PROJECT NO. 004-88-059		LAB REPORT NO.		NO. OF CONTAINERS	ANALYSES										REMARKS	
P.O. NO.		SAMPLERS: (signature) Christopher Cerguore			SAMPLE TYPE			8240 Total Dissolved Organic Carbon Soluble Lead	COD	Dissolved O <sub>2</sub>	8270 8080 PCB's.	General Mineral	General Physical			
LAB LOG NO.	DATE	TIME	SAMPLE I.D.		SOIL		WATER									
					COMP	GRAB										
OK ✓	6/23/89	1230	# 4357, 4358, 4359	(3)	40 ml vials			X								
- ✓	6/23/89	1230	4360	(1)	liter			X								
OK ✓	6/23/89	1230	4361	(1)	500 ml			X								5-Day
OK ✓	6/23/89	1230	4362	(1)	500 ml			X								Turnaround
OK ✓	6/23/89	1230	4363, 4364	(2)	each 1 liter			X								
OK ✓	6/23/89	1230	4366	(1)	liter			X								
OK ✓	6/23/89	1230	4367, 4368	(2)	each 1 liter			X					X			
OK ✓	6/23/89	1230	4369	(1)	liter			X						X		
5-Day Turnaround																

RELINQUISHED BY: (signature) Christopher Cerguore	DATE/TIME 6-23-89/1700	RECEIVED BY: (signature) [Signature]	REMARKS: Send results also to: AGE Attn: Mary Scrogge 11330 Sunrise Park Dr. Suite C Rancho Cordova, CA 95742	SEND RESULTS TO: AGE ATTN: Chris Cerguore 2145 Rumrill Blvd. Suite G Rancho San Pablo, CA 94806 PHONE NO. (916) 451-0921
RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)		
RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)		

CHAIN OF CUSTODY

White- AGE

Yellow- LAB Copy

Pink- File

(415) 234-4461

PROJECT NO. 004-88-059		LAB REPORT NO.		NO. OF CON- TAINERS	SAMPLE TYPE			ANALYSES								REMARKS		
P.O. NO.		SAMPLERS: (signature) Christopher Cerguone			SOIL		WATER	8240	COD	Dissolved O <sub>2</sub>	Total Lead Organic Lead Soluble Lead	8270	8080 (AGE)	General Physical	General Mineral			
LAB LOG NO.	DATE	TIME	SAMPLE I.D.		COMP	GRAB												
ok ✓	6/23/89	1315	# 4370, 4371 4372	(3) 40 ml vods			X											
ok ✓	6/23/89	1315	4373	(1) 500 ml				X										
ok ✓	6/23/89	1315	4374	(1) 500 ml					X									
ok ✓	6/23/89	1315	4375	(1) liter						X								5-Day
ok ✓	6/23/89	1315	4376, 4377	(2) each a liter							X							Turnaround
ok ✓	6/23/89	1315	4378	(1) liter								X						
ok ✓	6/23/89	1315	4379	(1) liter									X					
ok ✓	6/23/89	1315	4380, 4381	(2) each 1 liter														
5-Day Turnaround																		

RELINQUISHED BY: (signature) Christopher Cerguone	DATE/TIME 6-23-89/1700	RECEIVED BY: (signature) line to line	REMARKS: send results also to: AGE Attn: Mary Scragge 11330 Sunrise Park Dr. Suite C Rancho Cordova, CA 95742	SEND RESULTS TO: <del>AGE</del>
RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)		ATTN: Chris Cerguone 2145 Rumrill Blvd. Suite G San Pablo, CA 94806 (415) 234-4461
RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)		PHONE NO. (910) 451-0921

CHAIN OF CUSTODY

White - AGE

Yellow - LAB Copy

Pink - File

PROJECT NO. 004-88-059		LAB REPORT NO.		NO. OF CONTAINERS	ANALYSES										REMARKS	
P.O. NO.		SAMPLERS: (signature) Chris Cerguena			SAMPLE TYPE			8240	8710	8080-just PCB's	8040 Pherals	General Mineral	General Physical	Dissolved Oxygen		
LAB LOG NO.	DATE	TIME	SAMPLE I.D.		SOIL		WATER									
					COMP	GRAB										
OK ✓	6/22/89	1445	#4350, 14351 #4352	(3) 40ml vac			X	X								
OK ✓	6/22/89	1445	#4342, 4343 4349	(2) liters			X	X								5-Day
OK ✓	6/22/89	1445	#4344	1 liter			X		X							Turnaround
OK ✓	6/22/89	1445	#4345	1 liter			X			X						on Samples
OK ✓	6/22/89	1445	#4346	1 liter			X					X				
OK ✓	6/22/89	1445	#4347, 4348	(2) liters			X				X					
OK ✓	6/22/89	1445	#4355	500ml clear			X						X			
RELINQUISHED BY: (signature) Christophe Cerguena		DATE/TIME 6-22-89/1645		RECEIVED BY: (signature) Gene Le... <i>(Signature)</i>		REMARKS: also send results to: Attn: Mary Scroggs AGE 11330 Sunrise Park Dr. Suite C Rancho Cordova, CA 95742					SEND RESULTS TO: ATTN: Chris Cerguena AGE 2145 Runcill Blvd. Suite G San Pablo, CA 94806 415 234-4461 PHONE NO. (415) 451-0931					
RELINQUISHED BY: (signature)		DATE/TIME		RECEIVED BY: (signature)												
RELINQUISHED BY: (signature)		DATE/TIME		RECEIVED BY: (signature)												

CHAIN OF CUSTODY

White - AGE

Yellow - LAB Copy

Pink - File

PROJECT NO. 004-88-059		LAB REPORT NO.		NO. OF CON- TAINERS	PR-22								REMARKS	
P.O. NO.		SAMPLERS: (signature) Chris Cerguone			SAMPLE TYPE			ANALYSES						
LAB LOG NO.	DATE	TIME	SAMPLE I.D.		SOIL		WATER	Total Lead	Organic Lead	Soluble Lead	COD			
					COMP	GRAB								
✓	6/22/89	1445	#4354	1 liter			X	X	X					
<del>no</del>	6/22/89	1445	#4354	500ml						X			5-Day Turnaround on Samples.	
RELINQUISHED BY: (signature) Chris Cerguone		DATE/TIME 6-22-89/1640		RECEIVED BY: (signature) [Signature]		REMARKS: also send results to: Attn: Mary Scruggs AGE 11330 Sunrise Park Dr. Suite C Rancho Cordova, CA 95742						SEND RESULTS TO: ATTN: Chris Cerguone AGE 2145 Rumrill Blvd. Suite G San Pablo, CA 94806 PHONE NO. (916) 451-0921		
RELINQUISHED BY: (signature)		DATE/TIME		RECEIVED BY: (signature)										
RELINQUISHED BY: (signature)		DATE/TIME		RECEIVED BY: (signature)										

CHAIN OF CUSTODY

White- AGE

Yellow- LAB Copy

Pink- File





ANANIA GEOLOGIC ENGINEERING

PR-55

AGE No 152

PROJECT NO. 004-88-059		LAB REPORT NO.		NO. OF CONTAINERS	ANALYSES										REMARKS	
P.O. NO.		SAMPLERS: (signature) Christopher Cerguone			SAMPLE TYPE			8240	Dissolved Oxygen	COD	8270	8080 (RES)	Total Lead, Organic Lead	General Soluble & Mineral		General Physical
LAB LOG NO.	DATE	TIME	SAMPLE I.D.		SOIL		WATER									
					COMP	GRAB										
ok ✓	6/23/89	1400	4383, 4384, 4385	(3) 40 ml vials			X	X								
ok ✓	6/23/89	1400	4386	(1) 500ml			X	X								
ok ✓	6/23/89	1400	4387	(1) 500 ml			X		X						5-Day	
ok ✓	6/23/89	1400	4388, 4389	(2) each a liter			X		X						Turnaround	
ok ✓	6/23/89	1400	4390	(1) liter			X			X						
ok ✓	6/23/89	1400	4392	(1) liter			X				X					
ok ✓	6/23/89	1400	4394, 4393	(2) each liter			X					X				
ok ✓	6/23/89	1400	4395	(1) liter			X						X			
5 - Day Turnaround.																

RELINQUISHED BY: (signature) Christopher Cerguone	DATE/TIME 6-23-89/1700	RECEIVED BY: (signature) Chris Cerguone	REMARKS: send results also to: Attn: Mary Scruggs AGE 11330 Sunrise Park Dr. Suite C Rancho Cordova, CA 95742	SEND RESULTS TO:
RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)		ATTN: Chris Cerguone AGE 2145 Rumrill Blvd. Suite 6 San Pablo, CA 94806
RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)		PHONE NO. (916) 451-0921

CHAIN OF CUSTODY

White - AGE

Yellow - LAB Copy

Pink - File.

(415) 234-4461

# CHAIN OF CUSTODY RECORD

<b>PROJ. NO.</b> 001-88-059	<b>SAMPLER(S) (Signature)</b> Chris Ceyrone	<b>ANALYSIS REQUESTED</b> TOTAL PETROLEUM HYDROCARBONS BTEX VOC-EPA 8240 TOTAL OIL & GREASE 8240 8270
<b>PROJECT NAME AND ADDRESS:</b> Anania Geologic Engineering 2145 Rumrill Blvd., Suite 6 San Pablo, Ca - 94806		

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION						REMARKS
	6/23/89	14:00		X	Age # 4383, 4384, 8385					X	5 day Turnaround
	6/23/89	12:30		X	Age # 4357, 4358, 4359					X	-
	6/23/89	13:15		X	Age # 4370, 4371, 4372					X	Also send Result
	6/23/89	14:45		X	Age # 4396, 4397, 4398					X	Mary Scruggs
	6/23/89	14:45		X	Age # 4402, 4403					X	11336 Summit Park
	6/23/89	13:15		X	Age # 4376, 4377					X	Suite C
	6/23/89	14:00		X	Age # 4388, 4389					X	Rancho Cordova
	6/23/89	12:30		X	Age # 4363, 4364					X	Ca - 95742

RELINQUISHED BY: (Signature) S. Sidhu	DATE 6/24/89 TIME 1:00 PM	RECEIVED BY: (Signature) Rebecca L. Turin-Chiarelli	DATE 6/26/89 TIME 1:30
RELINQUISHED BY: (Signature)	DATE _____ TIME _____	RECEIVED BY: (Signature)	DATE _____ TIME _____
RELINQUISHED BY: (Signature)	DATE _____ TIME _____	RECEIVED BY: (Signature)	DATE _____ TIME _____
RELINQUISHED BY: (Signature)	DATE _____ TIME _____	RECEIVED FOR LABORATORY BY: (Signature)	DATE _____ TIME _____



# CHAIN OF CUSTODY RECORD

CJ. NO.	SAMPLES (Signature)	<b>ANALYSIS REQUESTED</b> <div style="display: flex; justify-content: space-around; font-size: small;"> <div style="border: 1px solid black; padding: 2px;">TOTAL PETROLEUM HYDROCARBONS</div> <div style="border: 1px solid black; padding: 2px;">BTEX</div> <div style="border: 1px solid black; padding: 2px;">VOC-EPA 8218</div> <div style="border: 1px solid black; padding: 2px;">TOTAL OIL &amp; GREASE</div> </div>
PROJECT NAME AND ADDRESS: Precision Analytical Lab 4136 Lake Side Drive Richmond, CA.		

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	REMARKS
900-9	6/26				1 liter	General Physical
900-8	6/26				2 liter	General Mineral
900-4	6/26				500 ml	Dissolved Oxygen
900-3	6/26				500 ml	CO <sub>2</sub>
						7 day turn around

RELINQUISHED BY: (Signature) <i>[Signature]</i>	DATE <u>6/26</u> TIME <u>1415</u>	RECEIVED BY: (Signature)	DATE _____ TIME _____
RELINQUISHED BY: (Signature)	DATE _____ TIME _____	RECEIVED BY: (Signature)	DATE _____ TIME _____
RELINQUISHED BY: (Signature)	DATE _____ TIME _____	RECEIVED BY: (Signature)	DATE _____ TIME _____
RELINQUISHED BY: (Signature)	DATE _____ TIME _____	RECEIVED FOR LABORATORY BY: (Signature) <i>Ulysses J. Bellon</i>	DATE <u>6/26/89</u> TIME <u>1420</u>





