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) 222-3251

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
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

RECEIVED JUL 1 3 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

cc Karl
Mary
Christ 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.

Surinder 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

Precision Analytical Laboratory, Inc.
4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

RECEIVED JUL 13 1989

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.

Surinder Pal Sidhu (Fax)
Jaime Chow
Laboratory Director

Precision Analytical Laboratory, Inc.

4130 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
Senior Chemist

Revised: 8/4/89

Precision Analytical Laboratory, Inc.
4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

RECEIVED JUL 13 1989

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.

Surinder Pal Sodhi (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

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

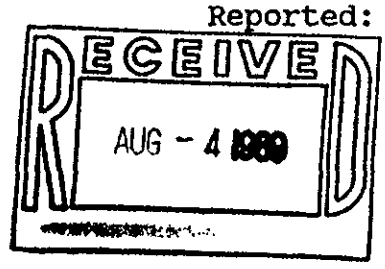
AGE
11330 SUNRISE PARK DR., SUITE C • RANCHO CORDOVA, CA 95742
P.O. BOX 161148 • SACRAMENTO, CA 95816 • PHONE (916) 631-0154 FAX (916) 631-0528

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 #:	06-540-1	06-540-2	06-540-3
Lab ID #:	70899-7	70900-8	70902-7
Client ID:	(4393,4394)	(4367,4368)	(4405,4406)
ANALYSIS:			
Alkalinity (as CaCO3)			
Carbonate Alk (as CaCO3), mg/L	<1	<1	<1
Bicarbonate Alk (as CaCO3), mg/L	2300	1900	660
Hydroxide Alk (as CaCO3), mg/L	<1	<1	<1
Total Alkalinity (as CaCO3), mg/L	2300	1900	660
Calcium (EDTA), mg/L	380	240	65
Magnesium, mg/L	240	180	68
Chloride, mg/L	90	30	130
Copper, mg/L	<0.08	<0.08	<0.08
Surfactants, mg/L	<2.5	<2.5	<2.5
Iron, mg/L	5.1	4.3	2.8
Manganese, mg/L	24	16	1.3
pH	7.0	6.4	7.3
Potassium, mg/L	33	15	7.8
Sodium, mg/L	960	940	400
Sulfate, mg/L	1200	1000	570
Conductivity, umhos/cm	6950	6180	2650
Filterable Residue (TDS), mg/L	2700	6700	1800
Zinc, mg/L	0.01	<0.01	<0.01
Nitrate (as NO3), mg/L	<0.02	<0.02	<0.1
Nitric Acid Digestion, Date	06.28.89	06.28.89	06.28.89
General Mineral Approval, Date	07.06.89	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

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

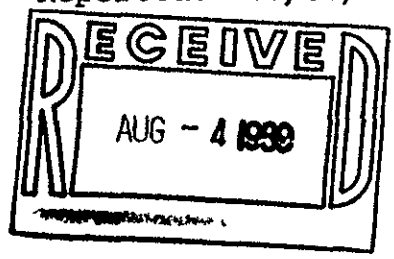
Brown & Caldwell ID #:	06-540-1	06-540-2	06-540-3
Lab ID #:	70899-2	70900-4	70902-2
Client ID:	(4386)	(4362)	(4399)
ANALYSIS:			
Dissolved Oxygen, mg/L	2.0	<1.0	<1.0

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

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

Chain of Custody Forms

AGE
11330 SUNRISE PARK DR., SUITE C • RANCHO CORDOVA, CA 95742
P.O. BOX 161148 • SACRAMENTO, CA 95816 • PHONE (916) 631-0154 FAX (916) 631-0528

ANANIA GEOLOGIC ENGINEERING

PR-12

AGE Nº 152

PROJECT NO.	LAB REPORT NO.
004-88-059	

P.O. NO.	SAMPLERS: (signature)
	Christopher Cerqueone

LAB LOG NO.	DATE	TIME	SAMPLE I.D.	NO. OF CONTAINERS	SAMPLE TYPE: SOIL COMP	SOIL GRAB	WATER	ANALYSES: 8240 Total Lead / organic lead / Soluble Lead	COD	Dissolved O2	8270	8080 PCB's	General Mineral	General physical	REMARKS
✓	6/23/89	1230	# 4357, 4358, 4359	(3) 40 ml vod's			X	X							
✓	6/23/89	1230	4360	(1) liter			X		X						
✓	6/23/89	1230	4361	(1) 500 ml			X			X					5-Day Turnaround
✓	6/23/89	1230	4362	(1) 500 ml			X				X				
✓	6/23/89	1230	4363, 4364	(2) each 1 liter			X					X			
✓	6/23/89	1230	4366	(1) liter			X						X		
✓	6/23/89	1230	4367, 4368	(2) each 1 liter			X							X	
✓	6/23/89	1230	4369	(1) liter			X								X
			5-Day Turnaround												

RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)
Christopher Cerqueone	6-23-89 / 1700	
RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)
RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)

REMARKS: Send results also to: AGE
Attn: Mary Scrugge
11330 Sunrise Park Dr.
Suite C
Rancho Cordova, CA 95742

SEND RESULTS TO: AGE
ATTN: Chris Cerqueone
2145 Rumrill Blvd.
Suite G
San Pablo, CA 94806
PHONE NO. ~~(916) 451-0921~~ (415) 234-4461

CHAIN OF CUSTODY

White - AGE Yellow - LAB Copy Pink - File

ANANIA GEOLOGIC ENGINEERING

PR-20

AGE Nº 152

PROJECT NO.	LAB REPORT NO.	NO. OF CONTAINERS	SAMPLE TYPE			ANALYSES								
004-88-059			SOIL		WATER	624O	COD	Dissolved O2	Total Lead & Soluble Lead	8270	8080 (PCB's)	General Physical	General Mineral	REMARKS
P.O. NO.	SAMPLERS: (signature) Christopher Cerqueira		COMP	GRAB										
LAB LOG NO. / DATE / TIME / SAMPLE I.D.														
✓ 6/23/89 1315	#4370, 4371, 4372	(3) 40 ml vods			X	X								
✓ 6/23/89 1315	4373	(1) 500 ml			X		X							
✓ 6/23/89 1315	4374	(1) 500 ml			X			X						
✓ 6/23/89 1315	4375	(1) liter			X				X					5-Day
✓ 6/23/89 1315	4376, 4377	(2) each a liter			X					X				Turnaround
✓ 6/23/89 1315	4378	(1) liter			X						X			
✓ 6/23/89 1315	4379	(1) liter			X							X		
✓ 6/23/89 1315	4380, 4381	(2) each liter			X								X	
	5-Day Turnaround													

RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)
Christopher Cerqueira	6-23-89/1700	
RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)
RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)

REMARKS: Send results also to: AGE
Attn: Mary Scruggs
11330 Sunrise Park Dr.
Suite C
Rancho Cordova, CA 95742

SEND RESULTS TO: ~~AGE~~
ATTN: Chris Cerqueira
2145 Rumrill Blvd.
Suite G
San Pablo, CA 94806
PHONE NO. (415) 234-4461 ~~(916) 451-0921~~

CHAIN OF CUSTODY

White - AGE Yellow - LAB Copy Pink - File

ANANIA GEOLÓGIC ENGINEERING

AGE Nº 151

PROJECT NO.	LAB REPORT NO.	NO. OF CONTAINERS	PR-22	ANALYSES							
004-88-059											
P.O. NO.	SAMPLERS: (signature) Chris Cerqueira										

LAB LOG NO.	DATE	TIME	SAMPLE I.D.	SAMPLE TYPE: SOIL COMP	SOIL GRAB	WATER	8240	8270	8080 - just PCB's	6040 Phenols	General Mineral	General Physical	Dissolved Oxygen	REMARKS
✓	6/22/89	1445	#4350, 4351 #4352			X	X							
✓	6/22/89	1445	~~#4342~~ 4349, 4343			X		X						5-Day Turnaround on Samples
✓	6/22/89	1445	#4344			X			X					
✓	6/22/89	1445	#4345			X				X				
✓	6/22/89	1445	#4346			X					X			
✓	6/22/89	1445	#4347, 4348			X						X		
✓	6/22/89	1445	#4355			X							X	

RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)
Christopher Cerqueira	6-22-89/1646	
RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)
RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (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 Cerqueira AGE
2145 Rumrill Blvd. Suite G
San Pablo, CA 94806
PHONE NO. (415) 234-4461 ~~(916) 451-0821~~

CHAIN OF CUSTODY

White - AGE
Yellow - LAB Copy
Pink - File

ANANIA GEOLOGIC ENGINEERING

AGE Nº 151

PROJECT NO.	LAB REPORT NO.	NO. OF CONTAINERS	PR-22			ANALYSES							
004-88-059			SAMPLE TYPE										
P.O. NO.	SAMPLERS: (signature) Chris Cerqueira		SOIL		WATER								
LAB LOG NO.	DATE	TIME	SAMPLE I.D.		COMP	GRAB		Total Lead	Organic Lead	Soluble Lead	COD				REMARKS
IC ✓	6/22/89	1445	#43 & #42	1 liter			X	X	X	X					
IC no ~~#~~	6/22/89	1445	#4354	500 ml			X				X				5-Day Turnaround on Samples.

RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)
Chris Cerqueira	6-22-89/1640	
RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)
RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (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 Cerqueira
AGE
2145 Rumrill Blvd. suite G
San Pablo, CA 94806
PHONE NO. (916) 451-0921

CHAIN OF CUSTODY

White- AGE Yellow- LAB Copy Pink- File

ANANIA GEOLOGIC ENGINEERING

PR-41

AGE

PROJECT NO. 004-88-059

LAB REPORT NO.

P.O. NO.

SAMPLERS: (signature) Chris Cerquone

(margin)	LAB LOG NO.	DATE	TIME	SAMPLE I.D.	NO. OF CONTAINERS	SAMPLE TYPE: SOIL COMP	SOIL GRAB	WATER	8240	Dissolved O2	COD	Total lead, Soluble lead, organic lead	8270	8080 PCB's	General Mineral	General Physical	REMARKS
ok	✓	6/23/89	1445	4396, 4397, 4398	(3) 40ml voa's			X	X								
ok	✓	6/23/89	1445	4399	(1) 500 ml			X		X							
ok	✓	6/23/89	1445	4400	(1) 500 ml			X			X						5-Day
ok	✓	6/23/89	1445	4401	(1) 1 liter			X				X					Turnaround
ok	✓	6/23/89	1445	4402, 4403	(2) each a 1 liter			X					X				
ok	✓	6/23/89	1445	4404	(1) liter			X						X			
ok	✓	6/23/89	1445	4405, 4406	(2) each a 1 liter			X							X		
PA	✓	6/23/89	1445	4407	(1) liter			X								X	

5-Day Turnaround

RELINQUISHED BY: (signature) Christopher Cerquone | DATE/TIME 6/23/89, 1700 | RECEIVED BY: (signature) [signature]

RELINQUISHED BY: (signature) | DATE/TIME | RECEIVED BY: (signature)

RELINQUISHED BY: (signature) | DATE/TIME | RECEIVED BY: (signature)

REMARKS: Send Results also to:
AGE
Attn: Mary Scruggs
11330 Sunrise Park Dr.
Suite C
Rancho Cordova, CA 95742

SEND RESULTS TO: ~~Chris Cerquone~~ AGE
ATTN: Chris Cerquone
2145 Rumrill Blvd.
Suite C
San Pablo, CA 94806
PHONE NO. ~~(916) 451-0921~~ (415) 234-4461

CHAIN OF CUSTODY

White- AGE Yellow – LAB Copy Pink- File

ANANIA GEOLOGIC ENGINEERING

PR-55

AGE Nº 152

PROJECT NO.	LAB REPORT NO.
004-88-059	

P.O. NO.	SAMPLERS: (signature)
	Christopher Cerqueone

LAB LOG NO.	DATE	TIME	SAMPLE I.D.	NO. OF CONTAINERS	SAMPLE TYPE: SOIL COMP	SOIL GRAB	WATER	ANALYSES: 8240	Dissolved Oxygen	COD	6270	8080 (PCB's)	TStal Lead, Lead, Soluble	General Mineral	General Physical	Organic Lead	REMARKS
ok	✓	6/23/89	1400	4383, 4384, 4385	(3) 40 ml vo's			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					
organic Lead	✓	6/23/89	1400	4392	(1) liter			X					X				
ok	✓	6/23/89	1400	4394, 4393	(2) each a liter			X						X			
ok	✓	6/23/89	1400	4395	(1) liter			X							X		
				5-Day Turnaround.													

RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)
Christopher Cerqueone	6-23-89/1700	
RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)
RELINQUISHED BY: (signature)	DATE/TIME	RECEIVED BY: (signature)

REMARKS: send results also to:
Attn: Mary Scruggs
AGE
11330 Sunrise Park Dr.
Suite C
Rancho Cordova, CA 95742

SEND RESULTS TO:
ATTN: Chris Cerqueone
AGE
2145 Runnill Blvd. Suite C
San Pablo, CA 94806
PHONE NO. (415) 234-4467

CHAIN OF CUSTODY

White- AGE Yellow – LAB Copy Pink- File

CHAIN OF CUSTODY RECORD

PROJ. NO. 041-88-059

SAMPLERS (Signature) Chris Cervantone

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

ANALYSIS REQUESTED

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	TOTAL PETROLEUM HYDROCARBONS	BTX	VOC-EPA 8240	TOTAL OIL & GREASE	8240	8270	REMARKS
	6/23/89	14:0		X	Age # 4383, 4384, 8385					X		5 day Turnaro
	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 Scriggs
	6/23/89	14.45		X	Age # 4402, 4403						X	11336 Sunrise Pa
	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) c Sridhu	DATE 6/26/89 TIME 1.0PM	RECEIVED BY: (Signature) Rebecca L Turin Rumrill	DATE 6/26 TIME 1:3
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

0300220

PROJ. NO.	SAMPLERS: (Signature)
4-86-059	Chris Cerquone

PROJECT NAME AND ADDRESS:
Anania Geologic Engineering
2145 Rummill Blvd, Suite G
San Pablo, CA-94806

ANALYSIS REQUESTED

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	TOTAL PETROLEUM HYDROCARBONS	BTX	VOC-EPA 8240	TOTAL OIL & GREASE	8240	8270	8040 (Phenols)	REMARKS
	6/22/89	14:45		X	#4350, #4351, #4352					X			5 day Turnaround
	6/22/89	14:45		X	#4343, #4349						X		
	6/22/89	14:45		X	#4345							X	

RELINQUISHED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
S. Sidhu	DATE 6/23 TIME	Terry Vales	DATE 6-23-89 TIME 2:30pm
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

PROJ. NO. | SAMPLERS: (Signature)

PROJECT NAME AND ADDRESS: Precision Analytical Lab
4136 Lakeside Drive
Richmond, CA.

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	TOTAL PETROLEUM HYDROCARBONS	BTX	VOC-EPA 8240	TOTAL OIL & GREASE		REMARKS
900-9	6/26				1 liter						General Physical
900-8	6/26				2 liter		Filter	Before			General Mineral
900-4	6/26				500 ml						Dissolved Oxygen
900-3	6/26				500 ml.						COD
											7 day turnaround

RELINQUISHED BY: (Signature) — DATE 6/26 TIME 1415 — 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) Ulysses J. Bellon — DATE 6/26/89 TIME 1420

CHAIN OF CUSTODY RECORD

PROJ. NO. | SAMPLERS: (Signature)

PROJECT NAME AND ADDRESS: Precision Analytical Lab.
4136 Lakeside Dr.
Richmond

ANALYSIS REQUESTED

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	TOTAL PETROLEUM HYDROCARBONS	BTX	VOC-EPA 8240	TOTAL OIL & GREASE		REMARKS
70899-9	6/26			✓	1 liter						General Physical
70899-7	6/26			✓	2 liter						
70899-3	6/26			✓	500 ml			Filter Before			General Mineral
70899-2	6/26			✓	500 ml						COD
											Dissolved Oxygen
											7 days turnaround

RELINQUISHED BY: (Signature) — DATE 6/26 TIME 1415 — 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) Ulyses J. Bellon — DATE 6/26/8[illegible] TIME 142[illegible]

CHAIN OF CUSTODY RECORD

PROJ. NO. | SAMPLERS: (Signature)

PROJECT NAME AND ADDRESS:
Precision Analytical
4136 Lakeside Drive
Richmond, CA.

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION
20902-7	6/26				2 liters
20902-9	6/26				1 liter
20902-3	6/26				500 mls
20902-2	6/26				500 mls

ANALYSIS REQUESTED

TOTAL PETROLEUM HYDROCARBONS	BTX	VOC-EPA 8240	TOTAL OIL & GREASE	REMARKS
	Filter Before			General minerals general physical COD Dissolved Oxygen

Seven day turnaround

RELINQUISHED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
	DATE 6/26 TIME 1413		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) Ulysses J. Bellon	DATE 6/26/89 TIME 1425

CHAIN OF CUSTODY RECORD

PROJ. NO. | SAMPLERS: (Signature)

PROJECT NAME AND ADDRESS: Precision Analytical Lab.
436 ~~Richmond, CA~~ Lakeside Dr
Richmond, CA.

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION
0901-9	6/24				1 gal
0901-8	6/24				2 gal
0901-3	6/24				500 mL
0901-2	6/24				500 mL

ANALYSIS REQUESTED

TOTAL PETROLEUM HYDROCARBONS	BTX	VOC-EPA 8240	TOTAL OIL & GREASE	REMARKS
				General Physical
	Filter Before =			" Mineral
				Dissolved O2
				COD
				7 day turn around

RELINQUISHED BY: (Signature) — DATE 6/26 TIME 14h

RELINQUISHED BY: (Signature) — DATE ____ TIME ____

RELINQUISHED BY: (Signature) — DATE ____ TIME ____

RELINQUISHED BY: (Signature) — DATE ____ TIME ____

RECEIVED BY: (Signature) — DATE ____ TIME ____

RECEIVED BY: (Signature) — DATE ____ TIME ____

RECEIVED BY: (Signature) — DATE ____ TIME ____

RECEIVED FOR LABORATORY BY: (Signature) Ulysses J. Bellon — DATE 6/26/89 TIME 1426

PCB Results

AGE
11330 SUNRISE PARK DR., SUITE C • RANCHO CORDOVA, CA 95742
P.O. BOX 161148 • SACRAMENTO, CA 95816 • PHONE (916) 631-0154 FAX (916) 631-0528

Precision Analytical Laboratory, Inc

[illegible] RIVERSIDE DRIVE RICHMOND, CA 94806 PHONE (415) 222-3001 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

RECEIVED AUG 2 8 1989

Precision Analytical Laboratory, Inc.

41161 LAKESIDE DRIVE [illegible] 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
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

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE RICHMOND CA 94806 PHONE (415) [illegible] 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
Senior Chemist

Revised: 8/25/89

RECEIVED AUG 2 8 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

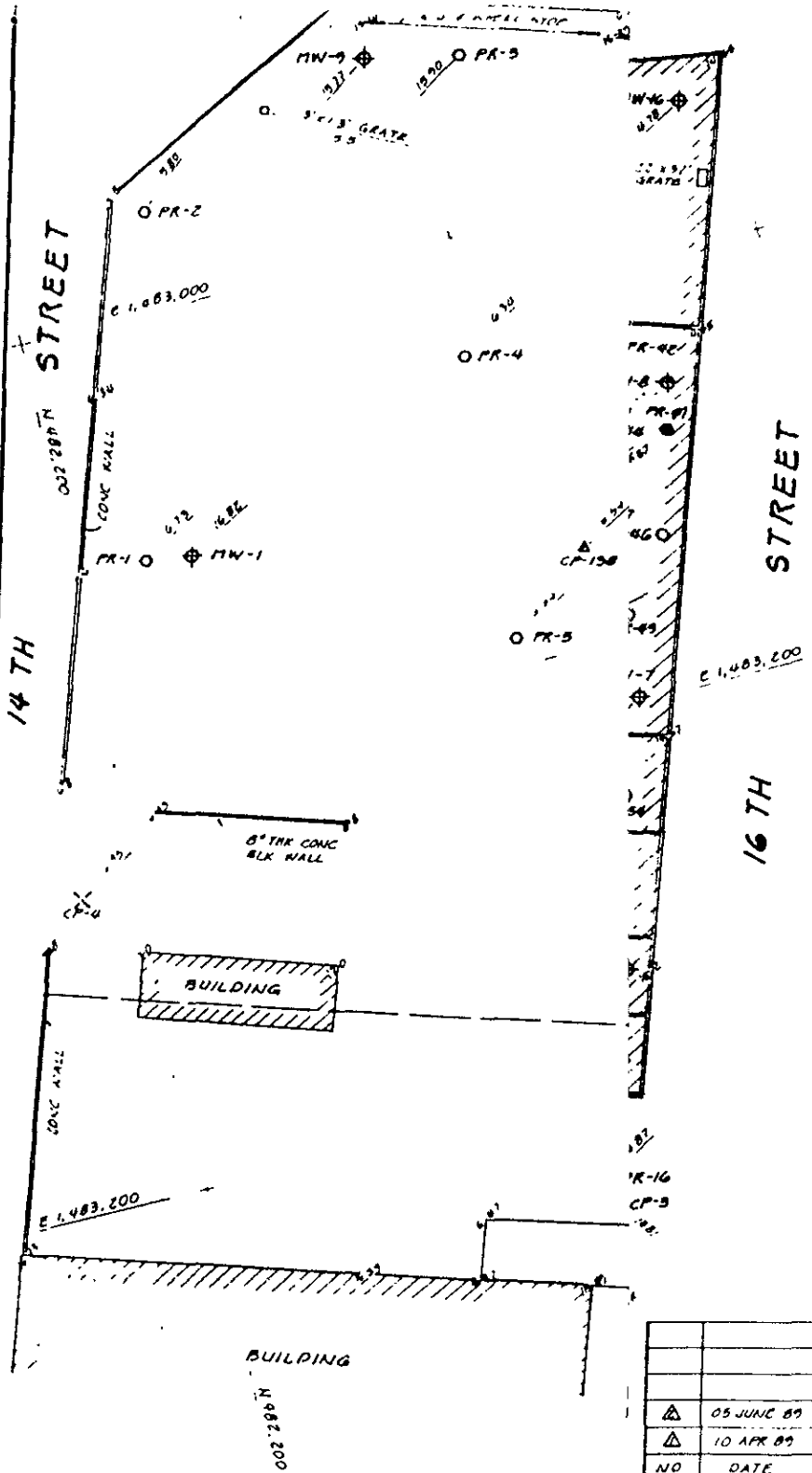
Extracted: 06/29/89

QA/QC: Spike Recovery 112 %

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

Surinder Sidhu
Senior Chemist

Revised: 8/25/89



- MW-1 MONITORING WELL
- PR-6 PRODUCT RECOVERY POINT
- RW-2 RECOVERY WELL
- CP-3 CONTROL POINT, SET NAIL & BANNER
- CP-37 CONTROL POINT, SET CROSS "+" CUT IN CONCRETE
- 14.76 SPOT / RIM ELEVATIONS

BENCHMARK (BASED ON NGVD 1929)

CITY OF OAKLAND BM NO 3806 EL 15.76 CITY DATUM + 3.00' = 16.76 NGVD 1929, CONC. CURB WEST SIDE KIRKHAM ST. 15 FT SOUTHERLY OF SOUTHERLY PROP. LINE, 14TH ST.

BASIS OF BEARINGS (CITY OF OAKLAND DATA)

MONUMENT LINE ON POPLAR ST. BETWEEN MONUMENTS 8SW50 (@ 16TH ST.) & 8SW16-R (@ 14TH ST.) TAKEN AS N 17°06'38" E, 560.06 AND BASED ON THE CALIFORNIA COORDINATE SYSTEM ZONE III, 1927 N.A.D.

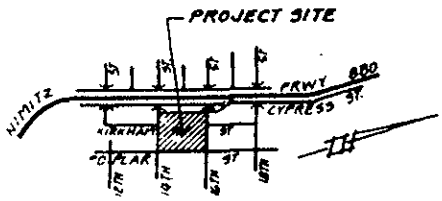
BASIS OF COORDINATES (CITY OF OAKLAND DA)

CITY MONUMENT ON POPLAR ST. @ 16TH ST (8SW-50) N 482,590.10 & E 1,483,597.39 AND BASED ON CALIFORNIA COORDINATE SYSTEM, ZONE III, 1927 N.A.D. GROUND TO GRID FACTOR = 0.9999296

SCHEDULE OF CONTROL POINTS

NO	COORDINATES *		ELEV
	NORTH	EAST	
CP-3	2,619.52	3,311.56	14.81
CP-4	2,186.39	3,128.92	16.85
CP-5	2,540.58	3,278.08	14.76
CP-6	2,341.26	3,206.30	16.08
CP-65	2,560.45	3,233.18	14.93
CP-66	2,608.78	3,132.52	14.55
CP-92	2,336.07	3,082.32	14.56
CP-97	2,650.52	3,114.22	14.68
CP-137	2,388.89	3,060.93	15.38
CP-138	2,313.60	3,076.68	16.34

* TO GET GRID COORDINATES, ADD 480,000 TO NORTH COORDINATES AND ADD 1,480,000 TO EAST COORDINATES.



VICINITY MAP
N T S

NO	DATE	REVISION	BY	APP.
2	05 JUNE 89	ADDED PR-41 THRU PR-77 (FB 50/72-79)	FBC	ELG
1	10 APR 89	CORRECTED STREET NAMES (14TH & 16TH ST.)	FBC	ELG

APPROVED

CARNATION DAIRIES
1310 14TH ST @ POPLAR ST OAKLAND, CALIFORN

SCALE 1" = 20'
DRAWN
CHECKED
DATE
PROJECT NO 006-88-05

AGE ANAMA GEOLOGIC ENGINEERING
11330 SUNRISE PARK DR., SUITE C, RANCHO CORDOVA, CA. 95

PROJECT BORING LOCATIONS
DRAWING NO

LICENSED LAND SURVEYOR
EARL L. GRAY
CA 3874
CALIFORNIA
EXPIRES 6-30-91
March 23, 1989

GRAPHIC SCALE IN FEET
0 0 10 20 30 40

LOCATION SURVEY BY
EARL L GRAY — Licensed Land Surveyor

DRAWN	FBC	F.B. 50/39-66
CHECKED	ELG	JOB NO 8910
DATE	23 MAR 89	

Semi-Volatile and Volatile Organic Results

AGE
11330 SUNRISE PARK DR., SUITE C • RANCHO CORDOVA, CA 95742
P.O. BOX 161148 • SACRAMENTO, CA 95816 • PHONE (916) 631-0154 FAX (916) 631-0528

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

RECEIVED JUL 0 7 1989

EPA METHOD 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)

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: WATER

Client: 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 2 ? 89

Sample I.D.: 4402

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 06/26/89
Sample Extracted: 06/28/89
Sample Analyzed: 06/28/89

Client Ref. No.: 004-88-059

Lab Client Code: 77665

Sample Matrix: WATER

Lab No.: 8906236-05A

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

Sample I.D.: 4402 Client: ANANIA GEOLOGIC ENGINEERING

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
BASE/NEUTRAL COMPOUNDS			
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
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.: 8906236-06A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
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
BASE/NEUTRAL COMPOUNDS			
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
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
BASE/NEUTRAL COMPOUNDS			
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
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.: 8906236-08A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
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
BASE/NEUTRAL COMPOUNDS			
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
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
BASE/NEUTRAL COMPOUNDS			
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. C04-88-059

SAMPLERS: (Signature) Chris Cerqueira

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

ANALYSIS REQUESTED

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	TOTAL PETROLEUM HYDROCARBONS	BTX	VOC-EPA 8240	TOTAL OIL & GREASE	8240	8270	REMARKS
	6/23/89	14.00		X	AGE # 4383, 4384, 4385	01A	01B	01C		X		
	6/23/89	12.30		X.	AGE # 4357, 4358, 4359	02	02	02		X		5 Day Turnaround.
	6/23/89	13.15		X	AGE # 4370, 4371, 4372.	03	03	03		X.		
	6/23/89	14.45		X	AGE # 4396, 4397, 4398 4403 (MBT)	04	04	04		X		
	6/23/89	14.45		X	AGE # 4202, 4203 Rad 4402 (POT)	05	05				X	
	6/23/89	13.15		X	AGE # 4376, 4377	06	06				X	Also Send Results to:
	6/23/89	14.00		X	AGE # 4388, 4389	07	07				X	Mary Scruggs.
	6/23/89	12.30		X	AGE # 4363, 4364	08	08				X	11330 Sunrise Park Dr. Suite C Rancho Cordova, CA-95742

RELINQUISHED BY: (Signature) Sidhu — DATE 6/26/89 TIME 1.0

RECEIVED BY: (Signature) Terry Dalio — DATE 6-26-89 TIME 1:30pm

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

RECEIVED ... 1989

RECEIVED JUL 0 6 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 ENGINEERIN(
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
Sample Extracted: 06/26/89
Sample Analyzed: 06/27/89

Client Ref. No.: 004-88-059

Lab Client Code: 0636

Sample Matrix: WATER

Lab No.: 8906220-04A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
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
BASE/NEUTRAL COMPOUNDS			
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
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
BASE/NEUTRAL COMPOUNDS			
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

RECEIVED JUL 0 6 1989

EPA METHOD 8040
PHENOLS

Sample I.D.: #4345

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 06/23/89
Sample Extracted:
Sample Analyzed: 06/28/89

Client Ref. No.: 004-88-059

Lab Client Code: 0636

Sample Matrix: WATER

Lab No.: 8906220-06A

Compound	CAS #	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 0 6 1989

EPA METHOD 8040
PHENOLS

Sample I.D.: Method Blank

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 06/23/89
Sample Extracted:
Sample Analyzed: 06/28/89

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
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