

RECEIVED MAY 26 1989

Clayton Environmental Consultants, Inc.

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

cc Mary

May 25, 1989

Ms. Mary Scruggs
ANANIA GEOLOGIC ENGINEERING
11330 Sunrise Drive
Rancho Cordova, CA 95742

Client Ref. No.: 004-88-059
Lab Batch No.: 8905225
Clayton Project No.: 89052.25
Client Code No: 0636

Dear Ms. Scruggs:

Attached is our analytical laboratory report for the samples received on May 18, 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,

Mary S. Beck for

Ronald H. Peters, CIH
Manager, Laboratory Services

RHP/ewq
Attachment

EPA METHOD 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)

Sample I.D.: 4123 MW-19-10'
Sample Received: 05/18/89
Sample Analyzed: 05/23/89
Sample Matrix: SOIL

Client: ANANIA GEOLOGIC ENGINEERING
Client Ref. No.: 004-88-059
Lab Client Code: 0636
Lab No.: 8905225-01A

Compound	CAS #	Concentration ug/kg	Limit of Detection ug/kg
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	23	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 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)

Sample I.D.: 4125 MW-19-15'
Sample Received: 05/18/89
Sample Analyzed: 05/23/89
Sample Matrix: SOIL

Client: ANANIA GEOLOGIC ENGINEERING
Client Ref. No.: 004-88-059
Lab Client Code: 0636
Lab No.: 8905225-02A

Compound	CAS #	Concentration ug/kg	Limit of Detection ug/kg
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	6	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 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)Sample I.D.: 4127 MW-19-20'
Sample Received: 05/18/89
Sample Analyzed: 05/23/89
Sample Matrix: SOILClient: ANANIA GEOLOGIC ENGINEERING
Client Ref. No.: 004-88-059
Lab Client Code: 0636
Lab No.: 8905225-03A

Compound	CAS #	Concentration ug/kg	Limit of Detection ug/kg
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	3	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 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)Sample I.D.: 4129 MW-20-5'
Sample Received: 05/18/89
Sample Analyzed: 05/23/89
Sample Matrix: SOILClient: ANANIA GEOLOGIC ENGINEERING
Client Ref. No.: 004-88-059
Lab Client Code: 0636
Lab No.: 8905225-04A

Compound	CAS #	Concentration ug/kg	Limit of Detection ug/kg
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	8	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 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)

Sample I.D.: 4131 MW-20-10'
Sample Received: 05/18/89
Sample Analyzed: 05/23/89
Sample Matrix: SOIL

Client: ANANIA GEOLOGIC ENGINEERING
Client Ref. No.: 004-88-059
Lab Client Code: 0636
Lab No.: 8905225-05A

Compound	CAS #	Concentration ug/kg	Limit of Detection ug/kg
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	12	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 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)

Sample I.D.: 4133 MW-20-15'
Sample Received: 05/18/89
Sample Analyzed: 05/23/89
Sample Matrix: SOIL

Client: ANANIA GEOLOGIC ENGINEERING
Client Ref. No.: 004-88-059
Lab Client Code: 0636
Lab No.: 8905225-06A

Compound	CAS #	Concentration ug/kg	Limit of Detection ug/kg
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	5	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 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)

Sample I.D.: 4135 MW-20-20'
Sample Received: 05/18/89
Sample Analyzed: 05/23/89
Sample Matrix: SOIL

Client: ANANIA GEOLOGIC ENGINEERING
Client Ref. No.: 004-88-059
Lab Client Code: 0636
Lab No.: 8905225-07A

Compound	CAS #	Concentration ug/kg	Limit of Detection ug/kg
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 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)

Sample I.D.: Method Blank
Sample Received: 05/18/89
Sample Analyzed: 05/23/89
Sample Matrix: SOIL

Client: ANANIA GEOLOGIC ENGINEERING
Client Ref. No.: 004-88-059
Lab Client Code: 0636
Lab No.: 8905225-08A

Compound	CAS #	Concentration ug/kg	Limit of Detection ug/kg
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.: 4123 MW-19-10'

Client: ANANIA GEOLOGIC ENGINEER

Sample Received: 05/18/89

Client Ref. No.: 004-88-059

Sample Extracted: 05/23/89

Lab Client Code: 0636

Sample Analyzed: 05/23/89

Lab No.: 8905225-01A

Sample Matrix: SOIL

Compound	CAS #	Concentration ug/kg	Limit of Detect ug/kg
<u>ACID COMPOUNDS</u>			
Phenol	108-95-2	ND	30
2-chlorophenol	95-57-8	ND	30
2-methyl phenol	95-48-7	ND	30
4-methyl phenol	106-44-5	ND	30
2-nitrophenol	88-75-5	ND	30
2,4-dimethylphenol	105-67-9	ND	30
2,4-dichlorophenol	120-83-2	ND	30
4-chloro-3-methylphenol	59-50-7	ND	30
2,4,5-trichlorophenol	95-95-4	ND	30
2,4,6-trichlorophenol	88-06-2	ND	30
2,4-dinitrophenol	51-28-5	ND	30
4-nitrophenol	100-02-7	ND	200
2-methyl-4,6-dinitrophenol	534-52-1	ND	200
Pentachlorophenol	87-86-5	ND	30

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	200
Bis(2-chloroethyl)ether	111-44-4	ND	30
1,3-dichlorobenzene	541-73-7	ND	30
1,4-dichlorobenzene	106-46-7	ND	30
1,2-dichlorobenzene	95-50-1	ND	30
Bis-(2-chloroisopropyl)ether	108-60-1	ND	30
N-nitrosodi-n-propylamine	621-64-7	ND	30
Hexachloroethane	67-72-1	ND	30
Nitrobenzene	98-95-3	ND	30
Isophorone	78-59-1	ND	30
Bis-(2-chloroethoxy)methane	111-91-1	ND	30
1,2,4-trichlorobenzene	120-82-1	ND	30
Naphthalene	91-20-3	ND	30
Hexachlorobutadiene	87-68-3	ND	30
2-chloronaphthalene	91-58-7	ND	30
2-methyl naphthalene	91-57-6	ND	30

ND = Not detected at or above limit of detection

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

Sample I.D.: 4123 MW-19-10'

Client: ANANIA GEOLOGIC ENGINEERING

Compound	CAS #	Concentration ug/kg	Limit of Detection ug/kg
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	200
2-nitroaniline	88-74-4	ND	200
3-nitroaniline	99-09-2	ND	200
4-nitroaniline	100-01-6	ND	200
Hexachlorocyclopentadiene	77-47-4	ND	30
Dimethyl phthalate	131-11-3	ND	300
Acenaphthylene	208-96-8	ND	30
Acenaphthene	83-32-9	ND	30
2,4-dinitrotoluene	121-14-2	ND	30
2,6-dinitrotoluene	606-20-2	ND	30
Diethyl phthalate	84-66-2	ND	30
4-chlorophenylphenylether	7005-72-3	ND	30
Fluorene	86-73-7	ND	30
N-nitrosodiphenylamine	86-30-6	ND	30
4-bromophenylphenylether	101-55-3	ND	30
Hexachlorobenzene	118-74-1	ND	30
Phenanthrene	85-01-8	ND	30
Anthracene	120-12-7	ND	30
Di-n-butylphthalate	84-74-2	50	30
Fluoranthene	206-44-2	ND	30
Benzidine	92-87-5	ND	1000
Pyrene	129-00-0	ND	30
Benzylbutylphthalate	85-68-7	80	30
3,3'-dichlorobenzidine	91-94-1	ND	1000
Benzo(a)anthracene	56-55-3	ND	30
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	300
Chrysene	218-01-9	ND	70
Di-n-octylphthalate	117-84-0	ND	30
Benzo(b)fluoranthene	205-99-2	ND	70
Benzo(k)fluoranthene	207-08-9	ND	30
Benzo(a)pyrene	50-32-8	ND	30
Indeno(1,2,3-cd)pyrene	193-39-5	ND	30
Dibenzo(a,h)anthracene	53-70-3	ND	30
Benzo(ghi)perylene	191-24-2	ND	30

ND = Not detected at or above limit of detection

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: 4125 MW-19-15'

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 05/18/89

Client Ref. No.: 004-88-059

Sample Extracted: 05/23/89

Sample Analyzed: 05/23/89

Lab Client Code: 0636

Sample Matrix: SOIL

Lab No.: 8905225-02A

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

Phenol	108-95-2	ND	30
2-chlorophenol	95-57-8	ND	30
2-methyl phenol	95-48-7	ND	30
4-methyl phenol	106-44-5	ND	30
2-nitrophenol	88-75-5	ND	30
2,4-dimethylphenol	105-67-9	ND	30
2,4-dichlorophenol	120-83-2	ND	30
4-chloro-3-methylphenol	59-50-7	ND	30
2,4,5-trichlorophenol	95-95-4	ND	30
2,4,6-trichlorophenol	88-06-2	ND	30
2,4-dinitrophenol	51-28-5	ND	200
4-nitrophenol	100-02-7	ND	200
2-methyl-4,6-dinitrophenol	534-52-1	ND	30
Pentachlorophenol	87-86-5	ND	30

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	200
Bis(2-chloroethyl)ether	111-44-4	ND	30
1,3-dichlorobenzene	541-73-7	ND	30
1,4-dichlorobenzene	106-46-7	ND	30
1,2-dichlorobenzene	95-50-1	ND	30
Bis-(2-chloroisopropyl)ether	108-60-1	ND	30
N-nitrosodi-n-propylamine	621-64-7	ND	30
Hexachloroethane	67-72-1	ND	30
Nitrobenzene	98-95-3	ND	30
Isophorone	78-59-1	ND	30
Bis-(2-chloroethoxy)methane	111-91-1	ND	30
1,2,4-trichlorobenzene	120-82-1	ND	30
Naphthalene	91-20-3	ND	30
Hexachlorobutadiene	87-68-3	ND	30
2-chloronaphthalene	91-58-7	ND	30
2-methyl naphthalene	91-57-6	ND	30

ND = Not detected at or above limit of detection

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

Sample I.D.: 4125 MW-19-15'

Client: ANANIA GEOLOGIC ENGINEERING

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

4-chloroaniline	106-47-8	ND	200
2-nitroaniline	88-74-4	ND	200
3-nitroaniline	99-09-2	ND	200
4-nitroaniline	100-01-6	ND	200
Hexachlorocyclopentadiene	77-47-4	ND	30
Dimethyl phthalate	131-11-3	ND	300
Acenaphthylene	208-96-8	ND	30
Acenaphthene	83-32-9	ND	30
2,4-dinitrotoluene	121-14-2	ND	30
2,6-dinitrotoluene	606-20-2	ND	30
Diethyl phthalate	84-66-2	ND	30
4-chlorophenylphenylether	7005-72-3	ND	30
Fluorene	86-73-7	ND	30
N-nitrosodiphenylamine	86-30-6	ND	30
4-bromophenylphenylether	101-55-3	ND	30
Hexachlorobenzene	118-74-1	ND	30
Phenanthrene	85-01-8	ND	30
Anthracene	120-12-7	ND	30
Di-n-butylphthalate	84-74-2	ND	30
Fluoranthene	206-44-2	ND	30
Benzidine	92-87-5	ND	30
Pyrene	129-00-0	ND	1000
Benzylbutylphthalate	85-68-7	ND	30
3,3'-dichlorobenzidine	91-94-1	ND	30
Benzo(a)anthracene	56-55-3	ND	1000
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	30
Chrysene	218-01-9	ND	300
Di-n-octylphthalate	117-84-0	ND	70
Benzo(b)fluoranthene	205-99-2	ND	30
Benzo(k)fluoranthene	207-08-9	ND	70
Benzo(a)pyrene	50-32-8	ND	30
Indeno(1,2,3-cd)pyrene	193-39-5	ND	30
Dibenzo(a,h)anthracene	53-70-3	ND	30
Benzo(ghi)perylene	191-24-2	ND	30

ND = Not detected at or above limit of detection

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: 4127 MW-19-20'

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 05/18/89

Client Ref. No.: 004-88-059

Sample Extracted: 05/23/89

Sample Analyzed: 05/23/89

Lab Client Code: 0636

Sample Matrix: SOIL

Lab No.: 8905225-03A

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

Phenol	108-95-2	ND	30
2-chlorophenol	95-57-8	ND	30
2-methyl phenol	95-48-7	ND	30
4-methyl phenol	106-44-5	ND	30
2-nitrophenol	88-75-5	ND	30
2,4-dimethylphenol	105-67-9	ND	30
2,4-dichlorophenol	120-83-2	ND	30
4-chloro-3-methylphenol	59-50-7	ND	30
2,4,5-trichlorophenol	95-95-4	ND	30
2,4,6-trichlorophenol	88-06-2	ND	30
2,4-dinitrophenol	51-28-5	ND	200
4-nitrophenol	100-02-7	ND	200
2-methyl-4,6-dinitrophenol	534-52-1	ND	30
Pentachlorophenol	87-86-5	ND	30

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	200
Bis(2-chloroethyl)ether	111-44-4	ND	30
1,3-dichlorobenzene	541-73-7	ND	30
1,4-dichlorobenzene	106-46-7	ND	30
1,2-dichlorobenzene	95-50-1	ND	30
Bis-(2-chloroisopropyl)ether	108-60-1	ND	30
N-nitrosodi-n-propylamine	621-64-7	ND	30
Hexachloroethane	67-72-1	ND	30
Nitrobenzene	98-95-3	ND	30
Isophorone	78-59-1	ND	30
Bis-(2-chloroethoxy)methane	111-91-1	ND	30
1,2,4-trichlorobenzene	120-82-1	ND	30
Naphthalene	91-20-3	ND	30
Hexachlorobutadiene	87-68-3	ND	30
2-chloronaphthalene	91-58-7	ND	30
2-methyl naphthalene	91-57-6	ND	30

ND = Not detected at or above limit of detection

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

Sample I.D.: 4127 MW-19-20'

Client: ANANIA GEOLOGIC ENGINEERING

Compound	CAS #	Concentration ug/kg	Limit of Detection ug/kg
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	200
2-nitroaniline	88-74-4	ND	200
3-nitroaniline	99-09-2	ND	200
4-nitroaniline	100-01-6	ND	200
Hexachlorocyclopentadiene	77-47-4	ND	30
Dimethyl phthalate	131-11-3	ND	300
Acenaphthylene	208-96-8	ND	30
Acenaphthene	83-32-9	ND	30
2,4-dinitrotoluene	121-14-2	ND	30
2,6-dinitrotoluene	606-20-2	ND	30
Diethyl phthalate	84-66-2	ND	30
4-chlorophenylphenylether	7005-72-3	ND	30
Fluorene	86-73-7	ND	30
N-nitrosodiphenylamine	86-30-6	ND	30
4-bromophenylphenylether	101-55-3	ND	30
Hexachlorobenzene	118-74-1	ND	30
Phenanthrene	85-01-8	ND	30
Anthracene	120-12-7	ND	30
Di-n-butylphthalate	84-74-2	ND	30
Fluoranthene	206-44-2	ND	30
Benmidine	92-87-5	ND	1000
Pyrene	129-00-0	ND	30
Benzylbutylphthalate	85-68-7	ND	30
3,3'-dichlorobenzidine	91-94-1	ND	1000
Benzo(a)anthracene	56-55-3	ND	30
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	300
Chrysene	218-01-9	ND	70
Di-n-octylphthalate	117-84-0	ND	30
Benzo(b)fluoranthene	205-99-2	ND	70
Benzo(k)fluoranthene	207-08-9	ND	30
Benzo(a)pyrene	50-32-8	ND	30
Indeno(1,2,3-cd)pyrene	193-39-5	ND	30
Dibenzo(a,h)anthracene	53-70-3	ND	30
Benzo(ghi)perylene	191-24-2	ND	30

ND = Not detected at or above limit of detection

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: 4129 MW-20-5'

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 05/18/89

Client Ref. No.: 004-88-059

Sample Extracted: 05/23/89

Lab Client Code: 0636

Sample Analyzed: 05/23/89

Sample Matrix: SOIL

Lab No.: 8905225-04A

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

Phenol	108-95-2	ND	30
2-chlorophenol	95-57-8	ND	30
2-methyl phenol	95-48-7	ND	30
4-methyl phenol	106-44-5	ND	30
2-nitrophenol	88-75-5	ND	30
2,4-dimethylphenol	105-67-9	ND	30
2,4-dichlorophenol	120-83-2	ND	30
4-chloro-3-methylphenol	59-50-7	ND	30
2,4,5-trichlorophenol	95-95-4	ND	30
2,4,6-trichlorophenol	88-06-2	ND	30
2,4-dinitrophenol	51-28-5	ND	200
4-nitrophenol	100-02-7	ND	200
2-methyl-4,6-dinitrophenol	534-52-1	ND	30
Pentachlorophenol	87-86-5	ND	30

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	200
Bis(2-chloroethyl)ether	111-44-4	ND	30
1,3-dichlorobenzene	541-73-7	ND	30
1,4-dichlorobenzene	106-46-7	ND	30
1,2-dichlorobenzene	95-50-1	ND	30
Bis-(2-chloroisopropyl)ether	108-60-1	ND	30
N-nitrosodi-n-propylamine	621-64-7	ND	30
Hexachloroethane	67-72-1	ND	30
Nitrobenzene	98-95-3	ND	30
Isophorone	78-59-1	ND	30
Bis-(2-chloroethoxy)methane	111-91-1	ND	30
1,2,4-trichlorobenzene	120-82-1	ND	30
Naphthalene	91-20-3	ND	30
Hexachlorobutadiene	87-68-3	ND	30
2-chloronaphthalene	91-58-7	ND	30
2-methyl naphthalene	91-57-6	ND	30

ND = Not detected at or above limit of detection

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

Sample I.D.: 4129 MW-20-5'

Client: ANANIA GEOLOGIC ENGINEERING

Compound	CAS #	Concentration ug/kg	Limit of Detection ug/kg
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	200
2-nitroaniline	88-74-4	ND	200
3-nitroaniline	99-09-2	ND	200
4-nitroaniline	100-01-6	ND	200
Hexachlorocyclopentadiene	77-47-4	ND	30
Dimethyl phthalate	131-11-3	ND	300
Acenaphthylene	208-96-8	ND	30
Acenaphthene	83-32-9	ND	30
2,4-dinitrotoluene	121-14-2	ND	30
2,6-dinitrotoluene	606-20-2	ND	30
Diethyl phthalate	84-66-2	ND	30
4-chlorophenylphenylether	7005-72-3	ND	30
Fluorene	86-73-7	ND	30
N-nitrosodiphenylamine	86-30-6	ND	30
4-bromophenylphenylether	101-55-3	ND	30
Hexachlorobenzene	118-74-1	ND	30
Phenanthrene	85-01-8	ND	30
Anthracene	120-12-7	ND	30
Di-n-butylphthalate	84-74-2	ND	30
Fluoranthene	206-44-2	ND	30
Benzidine	92-87-5	ND	1000
Pyrene	129-00-0	ND	30
Benzylbutylphthalate	85-68-7	ND	30
3,3'-dichlorobenzidine	91-94-1	ND	1000
Benzo(a)anthracene	56-55-3	ND	30
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	300
Chrysene	218-01-9	ND	70
Di-n-octylphthalate	117-84-0	ND	30
Benzo(b)fluoranthene	205-99-2	ND	70
Benzo(k)fluoranthene	207-08-9	ND	30
Benzo(a)pyrene	50-32-8	ND	30
Indeno(1,2,3-cd)pyrene	193-39-5	ND	30
Dibenzo(a,h)anthracene	53-70-3	ND	30
Benzo(ghi)perylene	191-24-2	ND	30

ND = Not detected at or above limit of detection

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: 4131 MW-20-10'

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 05/18/89

Client Ref. No.: 004-88-059

Sample Extracted: 05/23/89

Sample Analyzed: 05/23/89

Lab Client Code: 0636

Sample Matrix: SOIL

Lab No.: 8905225-05A

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

Phenol	108-95-2	ND	30
2-chlorophenol	95-57-8	ND	30
2-methyl phenol	95-48-7	ND	30
4-methyl phenol	106-44-5	ND	30
2-nitrophenol	88-75-5	ND	30
2,4-dimethylphenol	105-67-9	ND	30
2,4-dichlorophenol	120-83-2	ND	30
4-chloro-3-methylphenol	59-50-7	ND	30
2,4,5-trichlorophenol	95-95-4	ND	30
2,4,6-trichlorophenol	88-06-2	ND	30
2,4-dinitrophenol	51-28-5	ND	200
4-nitrophenol	100-02-7	ND	200
2-methyl-4,6-dinitrophenol	534-52-1	ND	30
Pentachlorophenol	87-86-5	ND	30

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	200
Bis(2-chloroethyl)ether	111-44-4	ND	30
1,3-dichlorobenzene	541-73-7	ND	30
1,4-dichlorobenzene	106-46-7	ND	30
1,2-dichlorobenzene	95-50-1	ND	30
Bis-(2-chloroisopropyl)ether	108-60-1	ND	30
N-nitrosodi-n-propylamine	621-64-7	ND	30
Hexachloroethane	67-72-1	ND	30
Nitrobenzene	98-95-3	ND	30
Isophorone	78-59-1	ND	30
Bis-(2-chloroethoxy)methane	111-91-1	ND	30
1,2,4-trichlorobenzene	120-82-1	ND	30
Naphthalene	91-20-3	ND	30
Hexachlorobutadiene	87-68-3	ND	30
2-chloronaphthalene	91-58-7	ND	30
2-methyl naphthalene	91-57-6	ND	30

ND = Not detected at or above limit of detection

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

Sample I.D.: 4131 MW-20-10'

Client: ANANIA GEOLOGIC ENGINEERING

Compound	CAS #	Concentration ug/kg	Limit of Detecti ug/kg
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	200
2-nitroaniline	88-74-4	ND	200
3-nitroaniline	99-09-2	ND	200
4-nitroaniline	100-01-6	ND	200
Hexachlorocyclopentadiene	77-47-4	ND	30
Dimethyl phthalate	131-11-3	ND	300
Acenaphthylene	208-96-8	ND	30
Acenaphthene	83-32-9	ND	30
2,4-dinitrotoluene	121-14-2	ND	30
2,6-dinitrotoluene	606-20-2	ND	30
Diethyl phthalate	84-66-2	ND	30
4-chlorophenylphenylether	7005-72-3	ND	30
Fluorene	86-73-7	ND	30
N-nitrosodiphenylamine	86-30-6	ND	30
4-bromophenylphenylether	101-55-3	ND	30
Hexachlorobenzene	118-74-1	ND	30
Phenanthrene	85-01-8	ND	30
Anthracene	120-12-7	ND	30
Di-n-butylphthalate	84-74-2	ND	30
Fluoranthene	206-44-2	ND	30
Benzidine	92-87-5	ND	1000
Pyrene	129-00-0	ND	30
Benzylbutylphthalate	85-68-7	ND	30
3,3'-dichlorobenzidine	91-94-1	ND	1000
Benzo(a)anthracene	56-55-3	ND	30
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	300
Chrysene	218-01-9	ND	70
Di-n-octylphthalate	117-84-0	ND	30
Benzo(b)fluoranthene	205-99-2	ND	70
Benzo(k)fluoranthene	207-08-9	ND	30
Benzo(a)pyrene	50-32-8	ND	30
Indeno(1,2,3-cd)pyrene	193-39-5	ND	30
Dibenzo(a,h)anthracene	53-70-3	ND	30
Benzo(ghi)perylene	191-24-2	ND	30

ND = Not detected at or above limit of detection

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: 4133 MW-20-15'

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 05/18/89

Client Ref. No.: 004-88-059

Sample Extracted: 05/23/89

Sample Analyzed: 05/23/89

Lab Client Code: 0636

Sample Matrix: SOIL

Lab No.: 8905225-06A

Compound	CAS #	Concentration ug/kg	Limit of Detect. ug/kg
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ACID COMPOUNDS

Phenol	108-95-2	ND	30
2-chlorophenol	95-57-8	ND	30
2-methyl phenol	95-48-7	ND	30
4-methyl phenol	106-44-5	ND	30
2-nitrophenol	88-75-5	ND	30
2,4-dimethylphenol	105-67-9	ND	30
2,4-dichlorophenol	120-83-2	ND	30
4-chloro-3-methylphenol	59-50-7	ND	30
2,4,5-trichlorophenol	95-95-4	ND	30
2,4,6-trichlorophenol	88-06-2	ND	30
2,4-dinitrophenol	51-28-5	ND	200
4-nitrophenol	100-02-7	ND	200
2-methyl-4,6-dinitrophenol	534-52-1	ND	30
Pentachlorophenol	87-86-5	ND	30

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	200
Bis(2-chloroethyl)ether	111-44-4	ND	30
1,3-dichlorobenzene	541-73-7	ND	30
1,4-dichlorobenzene	106-46-7	ND	30
1,2-dichlorobenzene	95-50-1	ND	30
Bis-(2-chloroisopropyl)ether	108-60-1	ND	30
N-nitrosodi-n-propylamine	621-64-7	ND	30
Hexachloroethane	67-72-1	ND	30
Nitrobenzene	98-95-3	ND	30
Isophorone	78-59-1	ND	30
Bis-(2-chloroethoxy)methane	111-91-1	ND	30
1,2,4-trichlorobenzene	120-82-1	ND	30
Naphthalene	91-20-3	ND	30
Hexachlorobutadiene	87-68-3	ND	30
2-chloronaphthalene	91-58-7	ND	30
2-methyl naphthalene	91-57-6	ND	30

ND = Not detected at or above limit of detection

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

Sample I.D.: 4133 MW-20-15'

Client: ANANIA GEOLOGIC ENGINEERING

Compound	CAS #	Concentration ug/kg	Limit of Detection ug/kg
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	200
2-nitroaniline	88-74-4	ND	200
3-nitroaniline	99-09-2	ND	200
4-nitroaniline	100-01-6	ND	200
Hexachlorocyclopentadiene	77-47-4	ND	30
Dimethyl phthalate	131-11-3	ND	300
Acenaphthylene	208-96-8	ND	30
Acenaphthene	83-32-9	ND	30
2,4-dinitrotoluene	121-14-2	ND	30
2,6-dinitrotoluene	606-20-2	ND	30
Diethyl phthalate	84-66-2	ND	30
4-chlorophenylphenylether	7005-72-3	ND	30
Fluorene	86-73-7	ND	30
N-nitrosodiphenylamine	86-30-6	ND	30
4-bromophenylphenylether	101-55-3	ND	30
Hexachlorobenzene	118-74-1	ND	30
Phenanthrene	85-01-8	ND	30
Anthracene	120-12-7	ND	30
Di-n-butylphthalate	84-74-2	ND	30
Fluoranthene	206-44-2	ND	30
Benzidine	92-87-5	ND	1000
Pyrene	129-00-0	ND	30
Benzylbutylphthalate	85-68-7	ND	30
3,3'-dichlorobenzidine	91-94-1	ND	1000
Benzo(a)anthracene	56-55-3	ND	30
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	300
Chrysene	218-01-9	ND	70
Di-n-octylphthalate	117-84-0	ND	30
Benzo(b)fluoranthene	205-99-2	ND	70
Benzo(k)fluoranthene	207-08-9	ND	30
Benzo(a)pyrene	50-32-8	ND	30
Indeno(1,2,3-cd)pyrene	193-39-5	ND	30
Dibenzo(a,h)anthracene	53-70-3	ND	30
Benzo(ghi)perylene	191-24-2	ND	30

ND = Not detected at or above limit of detection

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: 4135 MW-20-20'

Client: ANANIA GEOLOGIC ENGINEERING

Sample Received: 05/18/89

Client Ref. No.: 004-88-059

Sample Extracted: 05/23/89

Sample Analyzed: 05/23/89

Lab Client Code: 0636

Sample Matrix: SOIL

Lab No.: 8905225-07A

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

Phenol	108-95-2	ND	30
2-chlorophenol	95-57-8	ND	30
2-methyl phenol	95-48-7	ND	30
4-methyl phenol	106-44-5	ND	30
2-nitrophenol	88-75-5	ND	30
2,4-dimethylphenol	105-67-9	ND	30
2,4-dichlorophenol	120-83-2	ND	30
4-chloro-3-methylphenol	59-50-7	ND	30
2,4,5-trichlorophenol	95-95-4	ND	30
2,4,6-trichlorophenol	88-06-2	ND	30
2,4-dinitrophenol	51-28-5	ND	200
4-nitrophenol	100-02-7	ND	200
2-methyl-4,6-dinitrophenol	534-52-1	ND	30
Pentachlorophenol	87-86-5	ND	30

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	200
Bis(2-chloroethyl)ether	111-44-4	ND	30
1,3-dichlorobenzene	541-73-7	ND	30
1,4-dichlorobenzene	106-46-7	ND	30
1,2-dichlorobenzene	95-50-1	ND	30
Bis-(2-chloroisopropyl)ether	108-60-1	ND	30
N-nitrosodi-n-propylamine	621-64-7	ND	30
Hexachloroethane	67-72-1	ND	30
Nitrobenzene	98-95-3	ND	30
Isophorone	78-59-1	ND	30
Bis-(2-chloroethoxy)methane	111-91-1	ND	30
1,2,4-trichlorobenzene	120-82-1	ND	30
Naphthalene	91-20-3	ND	30
Hexachlorobutadiene	87-68-3	ND	30
2-chloronaphthalene	91-58-7	ND	30
2-methyl naphthalene	91-57-6	ND	30

ND = Not detected at or above limit of detection

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

Sample I.D.: 4135 MW-20-20'

Client: ANANIA GEOLOGIC ENGINEERING

Compound	CAS #	Concentration ug/kg	Limit of Detection ug/kg
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	200
2-nitroaniline	88-74-4	ND	200
3-nitroaniline	99-09-2	ND	200
4-nitroaniline	100-01-6	ND	200
Hexachlorocyclopentadiene	77-47-4	ND	30
Dimethyl phthalate	131-11-3	ND	300
Acenaphthylene	208-96-8	ND	30
Acenaphthene	83-32-9	ND	30
2,4-dinitrotoluene	121-14-2	ND	30
2,6-dinitrotoluene	606-20-2	ND	30
Diethyl phthalate	84-66-2	ND	30
4-chlorophenylphenylether	7005-72-3	ND	30
Fluorene	86-73-7	ND	30
N-nitrosodiphenylamine	86-30-6	ND	30
4-bromophenylphenylether	101-55-3	ND	30
Hexachlorobenzene	118-74-1	ND	30
Phenanthrene	85-01-8	ND	30
Anthracene	120-12-7	ND	30
Di-n-butylphthalate	84-74-2	ND	30
Fluoranthene	206-44-2	ND	30
Benzidine	92-87-5	ND	1000
Pyrene	129-00-0	ND	30
Benzylbutylphthalate	85-68-7	ND	30
3,3'-dichlorobenzidine	91-94-1	ND	1000
Benzo(a)anthracene	56-55-3	ND	30
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	300
Chrysene	218-01-9	ND	70
Di-n-octylphthalate	117-84-0	ND	30
Benzo(b)fluoranthene	205-99-2	ND	70
Benzo(k)fluoranthene	207-08-9	ND	30
Benzo(a)pyrene	50-32-8	ND	30
Indeno(1,2,3-cd)pyrene	193-39-5	ND	30
Dibenzo(a,h)anthracene	53-70-3	ND	30
Benzo(ghi)perylene	191-24-2	ND	30

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: 05/18/89

Client Ref. No.: 004-88-059

Sample Extracted: 05/23/89

Sample Analyzed: 05/23/89

Lab Client Code: 0636

Sample Matrix: SOIL

Lab No.: 8905225-08A

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

Phenol	108-95-2	ND	30
2-chlorophenol	95-57-8	ND	30
2-methyl phenol	95-48-7	ND	30
4-methyl phenol	106-44-5	ND	30
2-nitrophenol	88-75-5	ND	30
2,4-dimethylphenol	105-67-9	ND	30
2,4-dichlorophenol	120-83-2	ND	30
4-chloro-3-methylphenol	59-50-7	ND	30
2,4,5-trichlorophenol	95-95-4	ND	30
2,4,6-trichlorophenol	88-06-2	ND	30
2,4-dinitrophenol	51-28-5	ND	200
4-nitrophenol	100-02-7	ND	200
2-methyl-4,6-dinitrophenol	534-52-1	ND	30
Pentachlorophenol	87-86-5	ND	30

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	200
Bis(2-chloroethyl)ether	111-44-4	ND	30
1,3-dichlorobenzene	541-73-7	ND	30
1,4-dichlorobenzene	106-46-7	ND	30
1,2-dichlorobenzene	95-50-1	ND	30
Bis-(2-chloroisopropyl)ether	108-60-1	ND	30
N-nitrosodi-n-propylamine	621-64-7	ND	30
Hexachloroethane	67-72-1	ND	30
Nitrobenzene	98-95-3	ND	30
Isophorone	78-59-1	ND	30
Bis-(2-chloroethoxy)methane	111-91-1	ND	30
1,2,4-trichlorobenzene	120-82-1	ND	30
Naphthalene	91-20-3	ND	30
Hexachlorobutadiene	87-68-3	ND	30
2-chloronaphthalene	91-58-7	ND	30
2-methyl naphthalene	91-57-6	ND	30

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/kg	Limit of Detection ug/kg
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	200
2-nitroaniline	88-74-4	ND	200
3-nitroaniline	99-09-2	ND	200
4-nitroaniline	100-01-6	ND	200
Hexachlorocyclopentadiene	77-47-4	ND	30
Dimethyl phthalate	131-11-3	ND	300
Acenaphthylene	208-96-8	ND	30
Acenaphthene	83-32-9	ND	30
2,4-dinitrotoluene	121-14-2	ND	30
2,6-dinitrotoluene	606-20-2	ND	30
Diethyl phthalate	84-66-2	ND	30
4-chlorophenylphenylether	7005-72-3	ND	30
Fluorene	86-73-7	ND	30
N-nitrosodiphenylamine	86-30-6	ND	30
4-bromophenylphenylether	101-55-3	ND	30
Hexachlorobenzene	118-74-1	ND	30
Phenanthrene	85-01-8	ND	30
Anthracene	120-12-7	ND	30
Di-n-butylphthalate	84-74-2	ND	30
Fluoranthene	206-44-2	ND	30
Benzidine	92-87-5	ND	1000
Pyrene	129-00-0	ND	30
Benzylbutylphthalate	85-68-7	ND	30
3,3'-dichlorobenzidine	91-94-1	ND	1000
Benzo(a)anthracene	56-55-3	ND	30
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	300
Chrysene	218-01-9	ND	70
Di-n-octylphthalate	117-84-0	ND	30
Benzo(b)fluoranthene	205-99-2	ND	70
Benzo(k)fluoranthene	207-08-9	ND	30
Benzo(a)pyrene	50-32-8	ND	30
Indeno(1,2,3-cd)pyrene	193-39-5	ND	30
Dibenzo(a,h)anthracene	53-70-3	ND	30
Benzo(ghi)perylene	191-24-2	ND	30

ND = Not detected at or above limit of detection

CHAIN OF CUSTODY RECORD

8905225

PROJ. NO.
004-88-059

SAMPLER (Signature)

Marry Scrogg's

PROJECT NAME AND ADDRESS:
 11330 Surprise Park Dr #C
 Rancho Cordova - Ca - 94572
 (96) 631-0154

ANALYSIS REQUESTED				
TOTAL PETROLEUM HYDROCARBONS				
BTX				
VOC-EPA 8240				
TOTAL-OIL & GREASE				
8240				
8270				

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	REMARKS
-1	5/18/89				4123 MW-19 - 10'	
-2					4125 MW-19-15'	
-3					4127 MW-19-20'	
-4					4129 MW-20-5'	
-5					4131 MW-20-10'	
-6					4133 MW-20-15'	
-7					4135 MW-20-20'	

RELINQUISHED BY: (Signature)	DATE 5/18/89	RECEIVED BY: (Signature)	DATE 5/18/89
<i>Sidhu</i>	TIME 12:30	<i>Tomydalis</i>	TIME 1:30pm
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 -----
RELINQUISHED BY: (Signature)	DATE -----		DATE -----

CHAIN OF CUSTODY RECORD

8905156

PROJ. NO. _____ SAMPLER(S) (Signature) *Mary Scruygs*
 PROJECT NAME AND ADDRESS:
Ana19 Geologic Engineering
11330 Sunrise Park Dr #C
Rancho Cordova, Ca - (916)631-0154

ANALYSIS REQUESTED

TOTAL PETROLEUM HYDROCARBONS
 BTEX
 VOC-EPA 8240
 TOTAL OIL & GREASE
 8240
 8270

CROSS REFERENCE NUMBER _____ DATE _____ TIME _____ SOIL _____ WATER _____ STATION LOCATION *Rush verbals by Tuesday.*

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION
01A	5/11/89		X		MW-17 4105✓ 5'
02			X		MW-17 4107✓ 10'
03			X		MW-17 4109✓ 15'
04			X		MW-17 4111✓ 20'
05			X		MW-18 4113✓ 5'
06			X		MW-18 4115✓ 10'
07			X		MW-18 4117✓ 15'
08			X		MW-18 4119✓ 20'
09			X		MW-19 4121✓ 5'
DABC	5/12/89			*	MW-18 3189

1x BC



2x 40ml, 1x 16cc

RELINQUISHED BY: (Signature) <i>88idhu</i>	DATE <i>5/12/89</i>	RECEIVED BY: (Signature)	DATE _____
RELINQUISHED BY: (Signature)	TIME <i>1:0</i>	RECEIVED BY: (Signature)	TIME _____
RELINQUISHED BY: (Signature)	DATE _____	RECEIVED BY: (Signature)	DATE _____
RELINQUISHED BY: (Signature)	TIME _____	RECEIVED BY: (Signature)	TIME _____
RELINQUISHED BY: (Signature)	DATE _____	RECEIVED FOR LABORATORY BY: (Signature) <i>Leary</i>	DATE <i>5/12/89</i>
RELINQUISHED BY: (Signature)	TIME _____		TIME <i>2:45 PM</i>